

Switzerland

| Energy Efficiency/CO2 ¹ Indicators | Units | 1980 | 1990 | 2000 | 2007 |
|---|---------------------------|-------|-------|-------|-------|
| Key indicators | | | | | |
| Primary energy intensity (at purchasing power parities (ppp)) | koe/\$05p | 0.114 | 0.110 | 0.104 | 0.098 |
| Primary energy intensity excluding traditional fuels (ppp) | koe/\$05p | 0.112 | 0.106 | 0.099 | 0.090 |
| Primary energy intensity adjusted to EU structure (ppp) | koe/\$05p | n.a. | 0.111 | 0.110 | 0.100 |
| Final energy intensity (at ppp) | koe/\$05p | 0.092 | 0.084 | 0.082 | 0.076 |
| Final energy intensity at 2005 GDP structure ³ (ppp) | koe/\$05p | n.a. | 0.082 | 0.081 | 0.075 |
| Final energy intensity adjusted to EU economic structure (ppp) | koe/\$05p | n.a. | 0.079 | 0.079 | 0.071 |
| CO2 intensity (at ppp) | kCO2/\$05p | n.a. | 0.175 | 0.158 | 0.140 |
| CO2 emissions per capita | tCO2/cap | n.a. | 5.93 | 5.56 | 5.24 |
| Industry | | | | | |
| Energy intensity of industry (to value added) (at ppp) | koe/\$05p | n.a. | 0.051 | 0.057 | 0.053 |
| Energy intensity of manufacturing (at ppp) | koe/\$05p | n.a. | 0.078 | 0.076 | 0.072 |
| Unit consumption of steel | toe/t | n.a. | 0 | 0.14 | 0.19 |
| CO2 intensity of industry ² (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.083 | 0.081 | 0.072 |
| CO2 emissions of industry ² per capita | tCO2/cap | n.a. | 0.81 | 0.77 | 0.76 |
| Transport | | | | | |
| Energy intensity of transport to GDP (at ppp) | koe/\$05p | 0.025 | 0.028 | 0.030 | 0.026 |
| Average consumption of road transport per equivalent car | toe/car equiv. | n.a. | n.a. | 1.12 | 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/\$05p | n.a. | 0.064 | 0.066 | 0.061 |
| CO2 emissions of transport per capita | tCO2/cap | n.a. | 2.17 | 2.32 | 2.30 |
| Residential, service and agriculture sectors | | | | | |
| Energy intensity of households (to private consumption) (at ppp) | koe/\$05p | 0.044 | 0.040 | 0.037 | 0.033 |
| Average electricity consumption of households per capita | kWh/cap | 1594 | 2027 | 2189 | 2326 |
| Average electricity consumption per household | kWh/hh | 4002 | 4722 | 4904 | 5141 |
| Average electricity consumption of electrified households | kWh/hh | 4002 | 4722 | 4904 | 5141 |
| 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/\$05p | n.a. | 0.023 | 0.020 | 0.020 |
| Electricity intensity of service sector (to value added) (at ppp) | kWh/\$05p | n.a. | 87 | 90 | 91 |
| Unit consumption of services per employee | toe/emp | 0.96 | 1.06 | 0.97 | 0.99 |
| Unit electricity consumption of services per employee | kWh/emp | 3837 | 3972 | 4440 | 4604 |
| Energy intensity of agriculture (to value added) (at ppp) | koe/\$05p | n.a. | 0.043 | 0.031 | 0.047 |
| CO2 intensity of households (to private consumption) (at ppp) | kCO2/\$05p | n.a. | 0.083 | 0.074 | 0.060 |
| CO2 emissions of residential sector per household | tCO2/hh | n.a. | 4.12 | 3.48 | 3.01 |
| CO2 intensity of service sector (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.044 | 0.031 | 0.023 |
| CO2 emissions of service sector per employee | tCO2/emp | n.a. | 2.03 | 1.52 | 1.17 |
| CO2 intensity of agriculture (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.078 | 0 | 0 |
| CO2 emissions of agriculture sector per capita | tCO2/cap | n.a. | 0.05 | 0 | 0 |
| Transformation sector | | | | | |
| Overall efficiency of energy transformations | % | 84.4 | 79.4 | 82.4 | 80.2 |
| Efficiency of total electricity generation | % | 60.1 | 51.8 | 53.6 | 52.4 |
| Rate of electricity transmission-distribution losses | % | 6.5 | 6.5 | 6.0 | 4.5 |
| Efficiency of thermal power plants | % | 22.5 | 26.6 | 37.3 | 39.7 |
| Diffusion of energy/CO2 efficient technologies and practices | | | | | |
| Per capita installed capacity of solar water heaters | m ² /1000inhab | 0 | 89.7 | 175.5 | 198.6 |
| Share of biofuels in road transport energy consumption | % | 0 | 0 | 0 | 0.1 |
| Share of biomass in industry energy consumption | % | 3.1 | 4.7 | 10.5 | 13.2 |
| Share of renewables in electricity generating capacity | % | 80.9 | 76.7 | 78.3 | 80.6 |
| Share of renewables in gross electricity consumption | % | 82.9 | 58.8 | 66.2 | 59.3 |

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

| GDP / PRICES | units | 1980 | 1990 | 2000 | 2007 |
|---------------------------------------|-----------|-------|-------|-------|-------|
| GDP per capita (at ppp) | \$05p/cap | 28899 | 33843 | 35091 | 37545 |
| Average electricity price (at ppp) | c05p/kWh | 10.9 | 10.0 | 9.1 | 7.5 |
| Average price of motor fuels (at ppp) | \$05p/l | 1.18 | 0.76 | 0.85 | 0.98 |

Source : Enerdata www.enerdata.fr