

Europe

| Energy Efficiency/CO2 ¹ Indicators | Units | 1980 | 1990 | 2000 | 2007 |
|---|---------------------------|-------|-------|-------|-------|
| Key indicators | | | | | |
| Primary energy intensity (at purchasing power parities (ppp)) | koe/\$05p | 0.200 | 0.173 | 0.147 | 0.131 |
| Primary energy intensity excluding traditional fuels (ppp) | koe/\$05p | 0.195 | 0.168 | 0.141 | 0.124 |
| Primary energy intensity adjusted to EU structure (ppp) | koe/\$05p | 0.108 | 0.104 | 0.094 | 0.087 |
| Final energy intensity (at ppp) | koe/\$05p | 0.138 | 0.113 | 0.096 | 0.087 |
| Final energy intensity at 2005 GDP structure ³ (ppp) | koe/\$05p | 0.087 | 0.076 | 0.067 | 0.063 |
| Final energy intensity adjusted to EU economic structure (ppp) | koe/\$05p | 0.080 | 0.074 | 0.067 | 0.062 |
| CO2 intensity (at ppp) | kCO2/\$05p | n.a. | 0.414 | 0.324 | 0.287 |
| CO2 emissions per capita | tCO2/cap | n.a. | 7.65 | 7.15 | 7.21 |
| Industry | | | | | |
| Energy intensity of industry (to value added) (at ppp) | koe/\$05p | 0.187 | 0.137 | 0.112 | 0.100 |
| Energy intensity of manufacturing (at ppp) | koe/\$05p | 0.260 | 0.194 | 0.159 | 0.141 |
| Unit consumption of steel | toe/t | 0.75 | 0.44 | 0.37 | n.a. |
| CO2 intensity of industry ² (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.342 | 0.253 | 0.217 |
| CO2 emissions of industry ² per capita | tCO2/cap | n.a. | 1.74 | 1.40 | 1.32 |
| Transport | | | | | |
| Energy intensity of transport to GDP (at ppp) | koe/\$05p | 0.029 | 0.030 | 0.029 | 0.028 |
| Average consumption of road transport per equivalent car | toe/car equiv. | n.a. | n.a. | n.a. | 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. | 0.080 | 0.076 | 0.071 |
| CO2 emissions of transport per capita | tCO2/cap | n.a. | 1.48 | 1.67 | 1.79 |
| Residential, service and agriculture sectors | | | | | |
| Energy intensity of households (to private consumption) (at ppp) | koe/\$05p | 0.065 | 0.052 | 0.042 | 0.038 |
| Average electricity consumption of households per capita | kWh/cap | 933 | 1205 | 1405 | 1537 |
| Average electricity consumption per household | kWh/hh | n.a. | n.a. | 3905 | 4105 |
| 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/\$05p | 0.027 | 0.020 | 0.018 | 0.017 |
| Electricity intensity of service sector (to value added) (at ppp) | kWh/\$05p | 70 | 82 | 89 | 90 |
| Unit consumption of services per employee | toe/emp | n.a. | 0.91 | 0.84 | 0.87 |
| Unit electricity consumption of services per employee | kWh/emp | n.a. | 3662 | 4267 | 4707 |
| Energy intensity of agriculture (to value added) (at ppp) | koe/\$05p | 0.093 | 0.110 | 0.100 | 0.088 |
| CO2 intensity of households (to private consumption) (at ppp) | kCO2/\$05p | n.a. | 0.091 | 0.065 | 0.055 |
| CO2 emissions of residential sector per household | tCO2/hh | n.a. | n.a. | 2.37 | 2.18 |
| CO2 intensity of service sector (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.037 | 0.023 | 0.021 |
| CO2 emissions of service sector per employee | tCO2/emp | n.a. | 1.64 | 1.10 | 1.08 |
| CO2 intensity of agriculture (to value added) (at ppp) | kCO2/\$05p | n.a. | 0.278 | 0.247 | 0.209 |
| CO2 emissions of agriculture sector per capita | tCO2/cap | n.a. | 0.16 | 0.15 | 0.13 |
| Transformation sector | | | | | |
| Overall efficiency of energy transformations | % | 74.4 | 70.8 | 71.5 | 73.0 |
| Efficiency of total electricity generation | % | 38.0 | 36.9 | 40.6 | 41.4 |
| Rate of electricity transmission-distribution losses | % | 7.1 | 6.9 | 7.7 | 7.0 |
| Efficiency of thermal power plants | % | 32.4 | 32.3 | 37.1 | 38.5 |
| Diffusion of energy/CO2 efficient technologies and practices | | | | | |
| Per capita installed capacity of solar water heaters | m ² /1000inhab | n.a. | n.a. | 31.4 | n.a. |
| Share of biofuels in road transport energy consumption | % | 0 | 0.0 | 0.2 | 2.1 |
| Share of biomass in industry energy consumption | % | 1.3 | 3.8 | 5.5 | 5.9 |
| Share of renewables in electricity generating capacity | % | 25.9 | 26.4 | 28.4 | 32.5 |
| Share of renewables in gross electricity consumption | % | 21.7 | 18.1 | 20.5 | n.a. |

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector