

# World

Energy Efficiency/CO2 <sup>1</sup> Indicators	Units	1980	1990	2000	2005
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,329	0,290	0,242	0,229
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,294	0,259	0,216	0,205
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,297	0,261	0,211	0,192
Final energy intensity (at ppp)	koe/\$95p	0,232	0,194	0,156	0,145
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	0,228	0,191	0,156	0,146
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,220	0,186	0,151	0,139
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,660	0,540	0,518
CO2 emissions per capita	tCO2/cap	n.a.	3,81	3,72	4,06
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,264	0,213	0,159	0,145
Energy intensity of manufacturing (at ppp)	koe/\$95p	n.a.	0,346	0,234	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	0,59	0,52	0,45	0,41
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	0,553	0,379	0,341
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	0,96	0,78	0,82
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,056	0,051	0,046	0,042
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/\$95p	n.a.	0,138	0,122	0,113
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,80	0,84	0,89
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,114	0,093	0,074	0,068
Average electricity consumption of households per capita	kWh/cap	388	484	592	658
Average electricity consumption per household	kWh/hh	n.a.	1887	2160	2397
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	2967	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	0,035	0,030	0,025	0,025
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	107	127	137	144
Unit consumption of services per employee	toe/emp	n.a.	n.a.	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,096	0,094	0,056	0,057
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,097	0,072	0,064
CO2 emissions of residential sector per household	tCO2/hh	n.a.	1,29	1,11	1,10
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,055	0,033	0,031
CO2 emissions of service sector per employee	tCO2/emp	n.a.	n.a.	n.a.	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,247	0,134	0,136
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,11	0,06	0,07
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	73,6	70,9	68,5	67,7
Efficiency of total electricity generation	%	37,3	36,8	38,7	38,5
Rate of electricity transmission-distribution losses	%	8,3	8,5	8,9	8,7
Efficiency of thermal power plants	%	31,8	31,9	34,4	34,3
<b>Diffusion of energy/CO2 efficient technologies and practices</b>					
Per capita installed capacity of solar water heaters	m <sup>2</sup> /1000inhab	n.a.	n.a.	9,8	20,3
Share of biofuels in road transport energy consumption	%	0,2	0,5	0,7	1,1
Share of biomass in industry energy consumption	%	4,1	3,9	8,1	7,5
Share of renewables in electricity generating capacity	%	23,2	23,4	23,5	22,6
Share of renewables in gross electricity consumption	%	21,1	18,8	18,0	17,5

<sup>1</sup> CO2 from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector