

# Slovakia

Energy Efficiency/CO2 <sup>1</sup> Indicators	Units	1980	1990	2000	2007
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.346	0.318	0.264	0.178
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.343	0.316	0.258	0.172
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.274	0.274	0.199	0.133
Final energy intensity (at ppp)	koe/\$05p	0.239	0.226	0.157	0.107
Final energy intensity at 2005 GDP structure <sup>3</sup> (ppp)	koe/\$05p	0.229	0.219	0.158	0.107
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.205	0.195	0.142	0.095
CO2 intensity (at ppp)	kCO2/\$05p	n.a.	0.802	0.530	0.361
CO2 emissions per capita	tCO2/cap	n.a.	9.90	6.63	6.86
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.388	0.313	0.201	0.132
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.706	0.561	0.265	0.168
Unit consumption of steel	toe/t	n.a.	0.40	0.52	0.42
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$05p	n.a.	0.793	0.510	0.300
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	3.34	1.95	1.92
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.029	0.023	0.022	0.020
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.	0.063	0.061	0.057
CO2 emissions of transport per capita	tCO2/cap	n.a.	0.78	0.77	1.08
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$05p	0.029	0.055	0.065	0.042
Average electricity consumption of households per capita	kWh/cap	479	696	1006	848
Average electricity consumption per household	kWh/hh	n.a.	2290	3263	n.a.
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.	2143	2715	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.077	0.089	0.051	0.030
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$05p	49	62	122	100
Unit consumption of services per employee	toe/emp	n.a.	n.a.	1.50	1.19
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	3603	4025
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.186	0.162	0.056	0.025
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$05p	n.a.	0.105	0.103	0.055
CO2 emissions of residential sector per household	tCO2/hh	n.a.	2.64	2.47	n.a.
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$05p	n.a.	0.253	0.092	0.041
CO2 emissions of service sector per employee	tCO2/emp	n.a.	n.a.	2.72	1.63
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$05p	n.a.	0.417	0.117	0.055
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0.33	0.08	0.06
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	70.0	78.8	68.8	67.7
Efficiency of total electricity generation	%	35.2	34.4	36.9	36.3
Rate of electricity transmission-distribution losses	%	8.4	7.5	5.6	5.0
Efficiency of thermal power plants	%	32.1	31.2	32.9	30.6
<b>Diffusion of energy/CO2 efficient technologies and practices</b>					
Per capita installed capacity of solar water heaters	m <sup>2</sup> /1000inhab	0	0	6.7	15.1
Share of biofuels in road transport energy consumption	%	0	0	0	3.8
Share of biomass in industry energy consumption	%	2.6	2.5	0.5	6.1
Share of renewables in electricity generating capacity	%	20.0	26.2	30.9	32.3
Share of renewables in gross electricity consumption	%	10.1	8.0	17.6	17.1

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

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

GDP / PRICES	units	1980	1990	2000	2007
GDP per capita (at ppp)	\$05p/cap	11095	12343	12506	18990
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	16.5	20.8
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	2.57	2.12