

# Swaziland

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	0,288	0,244	0,231	0,185
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,089	0,095	0,128	0,092
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,452	0,290	0,246	0,197
Final energy intensity (at ppp)	koe/\$95p	0,285	0,242	0,227	0,182
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	n.a.	0,261	0,231	0,188
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,335	0,206	0,176	0,142
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,267	0,385	0,244
CO2 emissions per capita	tCO2/cap	n.a.	1,05	1,51	0,98
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,888	0,411	0,390	0,292
Energy intensity of manufacturing (at ppp)	koe/\$95p	1,476	0,494	0,503	0,381
Energy intensity of chemicals industry (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	0,372	0,676	0,339
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	0,53	0,98	0,50
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	n.a.	0,041	0,042	0,038
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.	0,121	0,124	0,111
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,48	0,49	0,45
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,132	0,083	0,053	0,051
Average electricity consumption of households per capita	kWh/cap	92	129	160	195
Average electricity consumption per household	kWh/hh	n.a.	n.a.	n.a.	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.	n.a.	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,004	0,004	0,005	0,005
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	44	50	53	59
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	n.a.	n.a.	n.a.	n.a.
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,017	0,014	0,013
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	n.a.	n.a.
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	n.a.	n.a.	n.a.
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.	n.a.	n.a.	n.a.
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	n.a.	n.a.	n.a.
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	96,7	97,9	97,5	97,3
Efficiency of total electricity generation	%	96,7	97,2	98,8	98,6
Rate of electricity transmission-distribution losses	%	39,9	43,7	103,0	103,2
Efficiency of thermal power plants	%	31,4	31,4	31,4	31,4
<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.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	0
Share of biomass in industry energy consumption	%	59,6	70,4	48,8	60,4
Share of renewables in electricity generating capacity	%	88,3	90,7	99,6	99,6
Share of renewables in gross electricity consumption	%	36,4	27,3	17,2	12,6

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

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	2887	3915	3913	4007
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	n.a.	n.a.