

# Swaziland

Energy Efficiency/CO <sub>2</sub> <sup>1</sup> Indicators	Units	1980	1990	2000	<sup>4</sup> 2008
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.263	0.221	0.192	0.184
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.081	0.086	0.116	0.082
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.551	0.339	0.256	0.247
Final energy intensity (at ppp)	koe/\$05p	0.260	0.220	0.189	0.181
Final energy intensity at 2005 GDP structure <sup>3</sup> (ppp)	koe/\$05p	0.381	0.236	0.186	0.183
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.405	0.237	0.181	0.175
Ratio final/primary intensity	%	99.0	99.2	98.5	98.7
CO <sub>2</sub> intensity (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.242	0.349	0.216
CO <sub>2</sub> emissions per capita	tCO <sub>2</sub> /cap	n.a.	1.04	1.50	1.02
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	1.102	0.379	0.422	0.318
Energy intensity of manufacturing (at ppp)	koe/\$05p	1.832	0.456	0.544	0.415
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	0.0	0.0	0.0	0.0
Share of electric process in steel production	%	0.0	0.0	0.0	0.0
Share of industrial cogeneration in power generation	%	0.0	0.0	0.0	0.0
CO <sub>2</sub> intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.461	0.839	0.439
CO <sub>2</sub> emissions of industry <sup>2</sup> per capita	tCO <sub>2</sub> /cap	n.a.	0.53	0.98	0.55
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0	0.037	0.038	0.031
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.49
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	0
CO <sub>2</sub> intensity of transport to GDP (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.109	0.111	0.091
CO <sub>2</sub> emissions of transport per capita	tCO <sub>2</sub> /cap	n.a.	0.47	0.48	0.43
<b>Households</b>					
Average electricity consumption of households per capita	kWh/cap	92	129	160	239
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	2576	3198
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m <sup>2</sup> /1000inhab	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of residential sector per household	tCO <sub>2</sub> /hh	n.a.	0.17	0.19	0.17
<b>Services</b>					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.005	0.005	0.006	0.006
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	54	62	66	72
Unit consumption of services per employee	toe/emp	n.a.	0.04	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	490	n.a.	n.a.
CO <sub>2</sub> intensity of service sector (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of service sector per employee	tCO <sub>2</sub> /emp	n.a.	n.a.	n.a.	n.a.
<b>Agriculture</b>					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> intensity of agriculture (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of agriculture sector per capita	tCO <sub>2</sub> /cap	n.a.	n.a.	n.a.	n.a.
<b>Transformation sector</b>					
Efficiency of total electricity generation	%	96.7	97.2	98.8	98.4
Rate of electricity transmission-distribution losses	%	17.3	13.8	21.6	15.0
Efficiency of thermal power plants	%	31.4	31.4	31.4	31.4
Share of renewables in electricity generating capacity	%	88.3	92.1	99.6	101.0
Share of renewables in gross electricity consumption	%	98.4	98.7	99.5	99.2

<sup>1</sup> CO<sub>2</sub> from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

<sup>4</sup> Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	2278	3494	4032	4555
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	1.33	1.71