

Ethiopia

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.524	0.593	0.560	0.395
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.026	0.036	0.036	0.039
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.484	0.609	0.583	0.328
Final energy intensity (at ppp)	koe/\$05p	0.497	0.562	0.538	0.380
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.526	0.619	0.590	0.326
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.356	0.426	0.411	0.233
Ratio final/primary intensity	%	95.2	95.0	96.3	96.3
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.086	0.093	0.103
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.04	0.05	0.07
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.046	0.066	0.076	0.075
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.083	0.122	0.170	0.191
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
Share of electric process in steel production	%	0	0	0	0
Share of industrial cogeneration in power generation	%	0	0	0	0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.200	0.213	0.192
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.01	0.01	0.02
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.011	0.014	0.017	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.
Share of biofuels in road transport energy consumption	%	0	0	0	0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.041	0.052	0.060
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.02	0.03	0.04
Households					
Average electricity consumption of households per capita	kWh/cap	4	6	8	14
Average electricity consumption of electrified households	kWh/hh	n.a.	294	300	468
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 ² /1000inhab	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.01	0.04	0.05
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.003	0.002	0.002	0.004
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	19	13	29	42
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.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.003	0.003	0.005
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	n.a.	n.a.	n.a.
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.002	0.003	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.009	n.a.	n.a.
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	n.a.	n.a.	n.a.
Transformation sector					
Efficiency of total electricity generation	%	58.2	72.3	97.2	81.7
Rate of electricity transmission-distribution losses	%	9.9	15.1	11.8	10.5
Efficiency of thermal power plants	%	29.3	23.3	32.4	28.1
Share of renewables in electricity generating capacity	%	71.2	85.5	83.0	80.6
Share of renewables in gross electricity consumption	%	70.2	88.4	98.6	91.2

¹ CO₂ from fuel combustion

² incl. autoproducers

³ by main sector

⁴ Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	614	546	528	802
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.	1.48	2.35