

Ukraine

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	n.a.	0.584	0.715	0.427
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	n.a.	0.583	0.714	0.424
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	n.a.	0.447	0.562	0.297
Final energy intensity (at ppp)	koe/\$05p	n.a.	0.375	0.409	0.245
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	n.a.	0.354	0.434	0.242
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	n.a.	0.313	0.396	0.211
Ratio final/primary intensity	%	n.a.	66.9	58.1	63.4
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	1.546	1.583	0.950
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	12.47	5.84	6.39
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	n.a.	0.517	0.681	0.451
Energy intensity of manufacturing (at ppp)	koe/\$05p	n.a.	1.102	1.305	0.662
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	0.49	0.43	0.64
Share of electric process in steel production	%	n.a.	7.6	3.1	4.2
Share of industrial cogeneration in power generation	%	n.a.	2.7	2.7	2.2
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.857	1.029	0.886
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	2.89	1.19	1.71
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	n.a.	0.051	0.041	0.030
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	0.59	0.77
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.	0.131	0.110	0.081
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	1.06	0.40	0.55
Households					
Average electricity consumption of households per capita	kWh/cap	n.a.	331	443	600
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.
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.	n.a.	n.a.	n.a.
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	n.a.	0.007	0.027	0.018
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	n.a.	0	197	139
Unit consumption of services per employee	toe/emp	n.a.	0.31	0.21	0.16
Unit electricity consumption of services per employee	kWh/emp	n.a.	0	1560	1276
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.017	0.023	0.017
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.72	0.18	0.15
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	n.a.	0.219	0.062	0.061
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.507	0.135	0.155
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.42	0.07	0.10
Transformation sector					
Efficiency of total electricity generation	%	n.a.	31.1	33.2	32.8
Rate of electricity transmission-distribution losses	%	n.a.	10.0	26.2	15.9
Efficiency of thermal power plants	%	n.a.	29.4	30.6	30.0
Share of renewables in electricity generating capacity	%	n.a.	n.a.	8.9	8.8
Share of renewables in gross electricity consumption	%	n.a.	3.6	6.7	6.0

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	7142	8063	3696	6721
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.	1.63	2.07