

Tajikistan

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	2007
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	n.a.	0.381	0.510	0.377
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	n.a.	0.381	0.510	0.377
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	n.a.	0.172	0.360	0.302
Final energy intensity (at ppp)	koe/\$05p	n.a.	0.338	0.445	0.344
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	n.a.	0.162	0.352	0.269
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	n.a.	0.122	0.258	0.216
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.798	0.757	0.666
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	2.21	0.69	1.02
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	n.a.	0.261	0.313	0.186
Energy intensity of manufacturing (at ppp)	koe/\$05p	n.a.	0.379	0.394	0.249
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0	0	0
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0	0	0
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	n.a.	0.039	0.130	0.147
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.
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.108	0.371	0.421
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.30	0.34	0.64
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$05p	n.a.	0.009	0.063	0.028
Average electricity consumption of households per capita	kWh/cap	n.a.	245	528	482
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/\$05p	n.a.	0.008	0.015	0.011
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$05p	n.a.	98	176	128
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/\$05p	n.a.	0.112	0.206	0.118
CO ₂ intensity of households (to private consumption) (at ppp)	kCO ₂ /\$05p	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.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	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					
Overall efficiency of energy transformations	%	n.a.	88.8	87.3	91.2
Efficiency of total electricity generation	%	n.a.	75.3	83.6	88.9
Rate of electricity transmission-distribution losses	%	n.a.	8.8	15.0	15.2
Efficiency of thermal power plants	%	n.a.	21.7	10.7	15.8
Diffusion of energy/CO₂ efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	n.a.	n.a.	n.a.	n.a.
Share of biomass in industry energy consumption	%	n.a.	n.a.	n.a.	n.a.
Share of renewables in electricity generating capacity	%	n.a.	n.a.	91.2	91.2
Share of renewables in gross electricity consumption	%	n.a.	85.3	89.3	97.1

¹ CO₂ from fuel combustion

² incl. autoproducers

³ by main sector

GDP / PRICES	units	1980	1990	2000	2007
GDP per capita (at ppp)	\$05p/cap	3093	2773	909	1529
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.	2.38	n.a.