

Denmark

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.176	0.128	0.112	0.101
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.170	0.120	0.102	0.085
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.204	0.153	0.126	0.115
Final energy intensity (at ppp)	koe/\$05p	0.134	0.098	0.081	0.077
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.132	0.097	0.082	0.076
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.150	0.107	0.089	0.081
Ratio final/primary intensity	%	78.2	77.8	74.4	78.3
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.378	0.296	0.246
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	9.69	9.45	8.51
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.120	0.086	0.075	0.066
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.185	0.127	0.114	0.101
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.379	0.179	0.096	0.086
Unit consumption of steel	toe/t	0.27	0.16	0.16	0.00
Share of electric process in steel production	%	n.a.	100.0	100.0	0.0
Share of industrial cogeneration in power generation	%	1.4	2.2	7.8	5.9
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.183	0.161	0.125
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.13	1.19	0.93
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.028	0.026	0.024	0.024
Average consumption of road transport per equivalent car	toe/car equiv.	1.05	1.14	1.09	1.04
Unit consumption of goods per ton km	toe/tkm	0.04	0.05	0.05	0.07
Share of biofuels in road transport energy consumption	%	0	0	0	0.1
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.078	0.069	0.073
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	2.01	2.22	2.50
Households					
Average electricity consumption of households per capita	kWh/cap	1452	1881	1914	1867
Average electricity consumption of electrified households	kWh/hh	3655	4302	4225	4008
Households consumption for electrical appliances and lighting	kWh/hh	2641	2938	3134	3259
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	11.1	45.5	78.5
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	2.12	1.58	1.17
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.020	0.022	0.018	0.017
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	102	105	96	94
Unit consumption of services per employee	toe/emp	0.78	0.97	0.93	0.91
Unit electricity consumption of services per employee	kWh/emp	3966	4684	5015	4928
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.017	0.007	0.007
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.75	0.39	0.35
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.728	0.378	0.241	0.165
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.893	0.555	0.366
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.44	0.40	0.32
Transformation sector					
Efficiency of total electricity generation	%	33.6	36.8	37.1	40.3
Rate of electricity transmission-distribution losses	%	9.1	8.7	7.0	6.2
Efficiency of thermal power plants	%	33.6	36.2	34.2	35.3
Share of renewables in electricity generating capacity	%	0.1	4.4	21.0	27.9
Share of renewables in gross electricity consumption	%	0.2	3.3	17.0	28.5

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	20852	25491	31721	34294
Average electricity price (at ppp)	c05p/kWh	12.6	11.6	13.4	n.a.
Average price of motor fuels (at ppp)	\$05p/l	1.09	0.72	1.01	1.08