

Norway

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.173	0.154	0.128	0.117
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.168	0.147	0.121	0.111
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.182	0.164	0.128	0.108
Final energy intensity (at ppp)	koe/\$05p	0.136	0.114	0.090	0.078
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.134	0.112	0.090	0.079
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.134	0.115	0.090	0.077
Ratio final/primary intensity	%	86.9	82.9	78.6	75.1
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.201	0.166	0.151
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	6.49	7.29	7.61
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.173	0.116	0.094	0.081
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.337	0.335	0.357	0.272
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.897	0.535	0.786	0.545
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	97.9	100.0	100.0
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.	0.123	0.101	0.088
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.52	1.68	1.48
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.027	0.025	0.021	0.022
Average consumption of road transport per equivalent car	toe/car equiv.	0.92	0.81	0.73	0.76
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	2.1
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.073	0.061	0.062
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	2.34	2.67	3.14
Households					
Average electricity consumption of households per capita	kWh/cap	5505	7143	7713	7541
Average electricity consumption of electrified households	kWh/hh	14837	17304	17907	17131
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	5525	5536	5557
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0	0	2.6
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.80	0.37	0.24
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.030	0.029	0.020	0.019
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	200	278	197	177
Unit consumption of services per employee	toe/emp	1.58	1.63	1.35	1.41
Unit electricity consumption of services per employee	kWh/emp	10603	15403	13011	12943
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.015	0.007	0.008
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.85	0.48	0.58
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.100	0.174	0.205	0.123
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.472	0.479	0.278
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.33	0.40	0.30
Transformation sector					
Efficiency of total electricity generation	%	99.6	99.4	99.3	99.0
Rate of electricity transmission-distribution losses	%	11.2	8.1	9.2	8.9
Efficiency of thermal power plants	%	27.3	34.1	40.2	44.4
Share of renewables in electricity generating capacity	%	98.9	99.2	99.5	99.6
Share of renewables in gross electricity consumption	%	99.8	99.8	99.7	99.4

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	25973	32117	43642	49711
Average electricity price (at ppp)	c05p/kWh	3.9	4.9	3.8	6.3
Average price of motor fuels (at ppp)	\$05p/l	1.04	0.79	1.27	1.31