

United States

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.313	0.240	0.207	0.175
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.303	0.232	0.200	0.169
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.280	0.212	0.175	0.151
Final energy intensity (at ppp)	koe/\$05p	0.207	0.146	0.125	0.106
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.191	0.144	0.122	0.107
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.206	0.148	0.123	0.107
Ratio final/primary intensity	%	71.7	67.2	67.1	66.4
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.602	0.508	0.424
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	19.20	19.83	18.26
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.271	0.163	0.136	0.122
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.418	0.252	0.197	0.180
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.506	0.421	0.535	0.503
Unit consumption of steel	toe/t	0.52	0.43	0.35	0.31
Share of electric process in steel production	%	27.9	37.3	47.0	58.1
Share of industrial cogeneration in power generation	%	0	5.9	4.3	3.4
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.394	0.294	0.253
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	2.90	2.58	1.95
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.070	0.059	0.052	0.045
Average consumption of road transport per equivalent car	toe/car equiv.	2.36	1.46	1.55	1.47
Unit consumption of goods per ton km	toe/tkm	0.06	0.06	0.05	0.06
Share of biofuels in road transport energy consumption	%	0	0	0.7	3.8
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.173	0.150	0.127
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	5.51	5.86	5.49
Households					
Average electricity consumption of households per capita	kWh/cap	3114	3650	4170	4551
Average electricity consumption of electrified households	kWh/hh	8628	9691	11139	12474
Households consumption for electrical appliances and lighting	kWh/hh	5261	6362	7145	8082
Per capita installed capacity of solar water heaters	m ² /1000inhab	1.1	15.2	36.4	67.3
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	3.40	3.46	3.02
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.035	0.029	0.025	0.023
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	139	154	152	156
Unit consumption of services per employee	toe/emp	2.15	1.60	1.63	1.73
Unit electricity consumption of services per employee	kWh/emp	8572	8584	9824	11795
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.039	0.029	0.022
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	2.15	1.88	1.67
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.185	0.135	0.086	0.079
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.405	0.258	0.232
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.17	0.15	0.16
Transformation sector					
Efficiency of total electricity generation	%	46.1	37.4	37.8	38.4
Rate of electricity transmission-distribution losses	%	10.2	12.0	6.7	6.3
Efficiency of thermal power plants	%	n.a.	35.7	36.9	37.4
Share of renewables in electricity generating capacity	%	16.7	16.3	16.3	13.3
Share of renewables in gross electricity consumption	%	11.7	12.3	9.2	9.8

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	25151	31495	38589	42625
Average electricity price (at ppp)	c05p/kWh	10.7	9.5	7.3	8.8
Average price of motor fuels (at ppp)	\$05p/l	0.77	0.48	0.47	0.83