

North America

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2007
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.319	0.247	0.214	0.187
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.309	0.239	0.207	0.180
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.173	0.152	0.132	0.118
Final energy intensity (at ppp)	koe/\$05p	0.215	0.154	0.132	0.114
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.144	0.117	0.100	0.089
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.130	0.108	0.095	0.084
CO2 intensity (at ppp)	kCO2/\$05p	n.a.	0.607	0.516	0.448
CO2 emissions per capita	tCO2/cap	n.a.	18.92	19.68	18.95
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.275	0.170	0.143	0.127
Energy intensity of manufacturing (at ppp)	koe/\$05p	n.a.	0.264	0.206	0.183
Unit consumption of steel	toe/t	0.52	0.42	0.35	0.30
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$05p	n.a.	0.395	0.299	0.273
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	2.92	2.64	2.22
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.074	0.062	0.054	0.050
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.
CO2 intensity of transport to GDP (at ppp)	kCO2/\$05p	n.a.	0.174	0.152	0.138
CO2 emissions of transport per capita	tCO2/cap	n.a.	5.43	5.80	5.84
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$05p	0.060	0.045	0.037	0.030
Average electricity consumption of households per capita	kWh/cap	3186	3799	4251	4604
Average electricity consumption per household	kWh/hh	8825	10134	11247	12290
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	0.037	0.031	0.027	0.024
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$05p	146	162	157	159
Unit consumption of services per employee	toe/emp	n.a.	1.75	1.80	1.77
Unit electricity consumption of services per employee	kWh/emp	n.a.	9286	10549	11634
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.186	0.144	0.102	0.101
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$05p	n.a.	0.065	0.052	0.037
CO2 emissions of residential sector per household	tCO2/hh	n.a.	3.52	3.50	2.93
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$05p	n.a.	0.042	0.032	0.026
CO2 emissions of service sector per employee	tCO2/emp	n.a.	2.38	2.18	1.88
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$05p	n.a.	0.411	0.289	0.287
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0.18	0.17	0.18
Transformation sector					
Overall efficiency of energy transformations	%	72.3	69.5	68.3	67.5
Efficiency of total electricity generation	%	47.9	39.3	39.6	39.9
Rate of electricity transmission-distribution losses	%	8.8	8.9	5.9	7.0
Efficiency of thermal power plants	%	n.a.	35.7	36.9	37.5
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	1.0	13.9	33.2	57.4
Share of biofuels in road transport energy consumption	%	0	0	0.6	2.3
Share of biomass in industry energy consumption	%	8.7	4.2	11.1	12.7
Share of renewables in electricity generating capacity	%	17.5	18.2	18.9	16.9
Share of renewables in gross electricity consumption	%	19.2	18.8	15.9	n.a.

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector