

Canada

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.337	0.278	0.251	0.217
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.324	0.267	0.239	0.207
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.328	0.261	0.225	0.197
Final energy intensity (at ppp)	koe/\$05p	0.251	0.189	0.165	0.144
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.241	0.184	0.163	0.145
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.241	0.182	0.159	0.140
Ratio final/primary intensity	%	80.5	75.1	73.7	74.8
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.568	0.524	0.448
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	15.27	16.97	16.09
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.278	0.211	0.184	0.166
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.506	0.350	0.264	0.212
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.779	0.426	0.412	0.255
Unit consumption of steel	toe/t	0.48	0.40	0.35	0.30
Share of electric process in steel production	%	24.4	36.7	42.1	40.9
Share of industrial cogeneration in power generation	%	0.00	0.02	0.02	0.02
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.375	0.319	0.298
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	3.08	3.15	2.99
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.074	0.053	0.047	0.044
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	1.43	1.51	1.50
Unit consumption of goods per ton km	toe/tkm	n.a.	0.10	0.08	0.07
Share of biofuels in road transport energy consumption	%	0	0	0.3	1.6
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.154	0.136	0.127
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	4.15	4.42	4.58
Households					
Average electricity consumption of households per capita	kWh/cap	3449	4672	4493	4579
Average electricity consumption of electrified households	kWh/hh	10390	13276	11755	11593
Households consumption for electrical appliances and lighting	kWh/hh	0	6200	5305	5140
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0	0	2.7
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	4.11	3.60	2.93
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.054	0.048	0.045	0.039
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	215	242	209	177
Unit consumption of services per employee	toe/emp	2.44	2.26	2.43	2.22
Unit electricity consumption of services per employee	kWh/emp	9679	11295	11172	10183
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.071	0.071	0.062
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	3.32	3.79	3.58
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.160	0.167	0.201	0.299
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.376	0.475	0.701
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.26	0.32	0.27
Transformation sector					
Efficiency of total electricity generation	%	62.6	58.3	58.7	58.3
Rate of electricity transmission-distribution losses	%	12.0	8.7	10.4	10.0
Efficiency of thermal power plants	%	36.6	36.3	38.4	38.4
Share of renewables in electricity generating capacity	%	59.6	58.5	62.0	62.0
Share of renewables in gross electricity consumption	%	67.6	62.4	60.6	60.8

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	23092	26966	32477	36039
Average electricity price (at ppp)	c05p/kWh	5.4	5.8	6.1	6.2
Average price of motor fuels (at ppp)	\$05p/l	0.60	0.68	0.73	0.97