

New Zealand

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.161	0.208	0.200	0.160
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.152	0.199	0.190	0.151
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.082	0.090	0.093	0.082
Final energy intensity (at ppp)	koe/\$05p	0.123	0.131	0.122	0.107
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.061	0.064	0.066	0.059
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.060	0.063	0.065	0.058
Ratio final/primary intensity	%	79.1	69.3	75.1	71.4
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.342	0.386	0.304
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	6.43	8.57	7.58
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Energy intensity of manufacturing (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	30.3	21.4	29.2
Share of industrial cogeneration in power generation	%	1.4	1.8	4.7	4.7
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	2.09	3.12	1.72
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.042	0.046	0.048	0.046
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	0.77	0.94	0.95
Unit consumption of goods per ton km	toe/tkm	0.08	0.09	0.08	0.08
Share of biofuels in road transport energy consumption	%	0	0	0	0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.129	0.139	0.133
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	2.43	3.10	3.32
Households					
Average electricity consumption of households per capita	kWh/cap	2581	2977	2938	2979
Average electricity consumption of electrified households	kWh/hh	8207	8343	8068	7980
Households consumption for electrical appliances and lighting	kWh/hh	2099	2825	2850	2900
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0	0	29.2
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.29	0.40	0.30
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of services per employee	toe/emp	1.05	0.92	1.05	0.82
Unit electricity consumption of services per employee	kWh/emp	4918	6587	6006	6692
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	1.05	1.20	0.51
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.26	0.26	0.21
Transformation sector					
Efficiency of total electricity generation	%	84.1	74.4	67.3	62.9
Rate of electricity transmission-distribution losses	%	14.8	13.4	13.2	8.5
Efficiency of thermal power plants	%	36.7	37.7	38.2	39.0
Share of renewables in electricity generating capacity	%	70.7	68.3	67.8	69.4
Share of renewables in gross electricity consumption	%	90.4	80.5	71.4	63.7

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	17011	18499	21975	24642
Average electricity price (at ppp)	c05p/kWh	7.6	6.4	6.9	9.7
Average price of motor fuels (at ppp)	\$05p/l	1.15	0.78	0.71	1.00