

New Zealand

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,210	0,261	0,248	0,210
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,198	0,250	0,237	0,199
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,197	0,239	0,224	0,204
Final energy intensity (at ppp)	koe/\$95p	0,156	0,169	0,159	0,147
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,146	0,168	0,162	0,152
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,146	0,170	0,160	0,147
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,408	0,427	0,396
CO2 emissions per capita	tCO2/cap	n.a.	6,28	7,77	8,07
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,168	0,237	0,215	0,188
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,235	0,343	0,308	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	0,028	0,072	0,036	n.a.
Unit consumption of steel	toe/t	n.a.	1,09	0,59	0,52
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,479	0,530	0,351
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	1,90	2,26	1,61
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,057	0,068	0,070	0,071
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/\$95p	n.a.	0,168	0,179	0,177
CO2 emissions of transport per capita	tCO2/cap	n.a.	2,59	3,26	3,60
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,038	0,035	0,032	0,028
Average electricity consumption of households per capita	kWh/cap	2581	2977	2938	2976
Average electricity consumption per household	kWh/hh	8126	8871	8647	8861
Average electricity consumption of electrified households	kWh/hh	8126	8871	8647	8861
Households consumption for electrical appliances and lighting	kWh/hh	2010	2272	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,031	0,026	0,024	0,020
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	146	184	151	137
Unit consumption of services per employee	toe/emp	0,98	0,73	0,79	0,81
Unit electricity consumption of services per employee	kWh/emp	4556	5190	4953	5429
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,078	0,056	0,054	0,065
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,011	0,014	0,011
CO2 emissions of residential sector per household	tCO2/hh	n.a.	0,31	0,43	0,38
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,030	0,030	0,026
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,84	0,99	1,01
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,130	0,108	0,143
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,18	0,16	0,22
Transformation sector					
Overall efficiency of energy transformations	%	76,3	70,5	77,7	77,4
Efficiency of total electricity generation	%	84,1	75,4	70,8	69,2
Rate of electricity transmission-distribution losses	%	12,6	11,4	10,9	11,5
Efficiency of thermal power plants	%	36,8	38,6	41,2	44,7
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	0
Share of biomass in industry energy consumption	%	13,5	11,9	15,4	18,1
Share of renewables in electricity generating capacity	%	70,7	68,3	67,8	69,6
Share of renewables in gross electricity consumption	%	89,0	79,5	71,1	64,1

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	14165	15404	18208	20369
Average electricity price (at ppp)	c95p/kWh	6,0	5,3	5,6	7,1
Average price of motor fuels (at ppp)	\$95p/l	0,90	0,64	0,58	0,64