

Environmental performance indicators in Switzerland

	Unit	2014	2015	2016
Land/buildings				
Net floor space (NFS)	million of m ²	0.92	0.92	0.93
Paper consumption				
Total paper consumption	Tonnes	7,449	5,401	5,130
Water/sewage				
Water consumption ¹	m ³	183,537	183,654	182,451
Energy, electricity				
Electrical energy consumption ²	Terajoule	1,470	1,563	1,613
	GWh	408	434	448
Energy, heating ³				
Heating oil	Terajoule	122.7	109.4	106.3
Natural gas	Terajoule	26.4	24.4	28.2
District heating	Terajoule	22.9	36.7	39.6
Heating, total	Terajoule	172.0	170.5	174.1
Energy, fuel ⁴				
Petrol	Terajoule	16.4	15.9	21.3
Diesel fuel	Terajoule	129.8	125.0	123.8
Natural gas	Terajoule	2.9	2.6	2.0
Total fuel	Terajoule	149.1	143.5	147.1
Vehicles	Number	3,377	3,693	3,403
Kilometers driven	million of km	62.7	59.5	60.2
Average carbon dioxide CO ₂ emission ⁵	g per km	117.0	113.0	109.0
Energy, total				
Energy consumption	Terajoule	1,791	1,877	1,933
	GWh	498	521	537
Air emissions				
Carbon dioxide CO ₂ -eq from the consumption of fossil energies ⁶	Tonnes	21,380	20,116	20,375
Nitrous gases NO _x ⁷	Tonnes	21.1	19.6	19
Sulphur dioxide SO ₂ ⁸	Tonnes	4.1	3.7	2.8
Waste				
Total amount of waste	Tonnes	3,727	5,117	6,951

¹ The water consumption is extrapolated on the basis of the average rate of 40 litre per FTE per day

² Energy conversion: 1 terajoule (TJ) = 0.278 gigawatt hours (GWh).

³ The heating energy consumption is based on a forecast of monthly measures of the consumption of 61 buildings (with a total floor space of over 45%).

⁴ The fuel consumption was adjusted from private use. The km driven, energy consumption and the air emissions were adjusted accordingly.

⁵ Average emissions per kilometre refer to manufacturer's indications.

⁶ CO₂ emissions from consumption of fossil energies, without district heating and refrigerant fluid. Swisscom published a complete climate report according to ISO 14064.

⁷ From Mobitool (www.mobitool.ch), car traffic, national 5-200 km, direct use, load 1.25, fuel consumption 6.01 litres per 100 km (2014), 6.00 (2015), 5.9 (2016)

⁸ According to publications "Pollutant Emissions from Road Transport, 1990 to 2035, FOEN, update 2010, annex 6, p. 91, 2010" and "Worksheet emissions factors combustion", FOEN, 2005 (in german).