

Fortum's Annual Report 2014

Fortum is an energy company highly committed to sustainability. We strive to respond to the needs of our customers by generating, selling and distributing low-carbon electricity and heat and by offering energy-sector expert services.

Environmental summary

The following table presents the key figures of our environmental responsibility. All indicators measuring Fortum's environmental responsibility are available in the [GRI section](#).

	2014*	2013	2012**
Carbon dioxide emissions, million tonnes	20.3	20.5	20.7
Sulphur dioxide emissions, tonnes	20,400	22,000	19,800
Nitrogen oxide emissions, tonnes	28,700	30,800	29,400
Particle emissions, tonnes	21,300	20,800	16,000
ISO 14001 certified operations, % of sales	100	100	95
Specific CO ₂ emissions of power generation, g/kWh	177	200	171
5-year average in the EU, g/kWh	60	60	60
Specific CO ₂ emissions of total energy production, g/kWh	189	204	177
5-year average, g/kWh	198	197	179
Overall efficiency of fuel use, %	64	59	64
5-year average, %	63	64	67
Share of CO ₂ -free energy in power generation, %	64	63	68
Share of renewable energy in power generation, %	32	28	36
Share of renewable energy in heat production, %	6	9	20
Utilisation rate of gypsum, %	100	99	89
Utilisation rate of ash, %	34	38	51
Environmental non-compliances	15	14	12
Water withdrawal, million m ³	2,178	2,312	2,210
of which cooling water, million m ³	2,094	2,231	2,017
Thermal load on waterways, TWh	18	19	17

*Figures unassured

**Includes joint venture AB Fortum Värme samägt med Stockholms Stad

