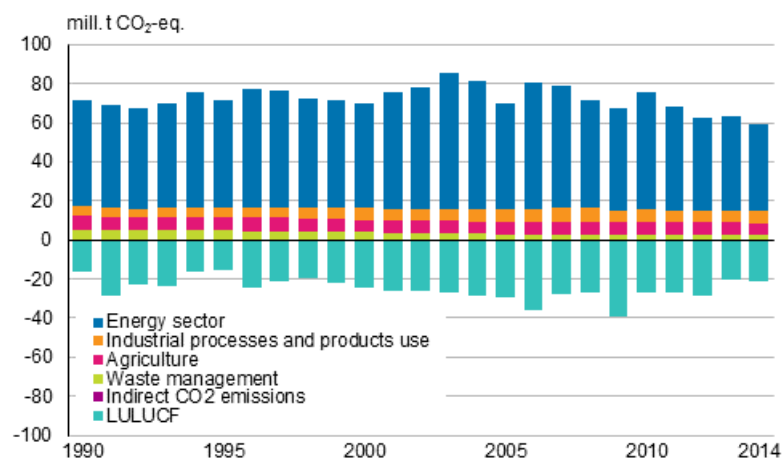


# Greenhouse gases 2014

## Finland's greenhouse gas emissions 2014 have been reported to the EU and UNFCCC

In 2014, Finland's greenhouse gas emissions amounted to 59.1 million tonnes of carbon dioxide equivalents (CO<sub>2</sub> eq.). These data are based on the report sent by Statistics Finland to the EU and UNFCCC on 15 April on the revised emissions for 2014. Total emissions and removals remained more or less unchanged compared with the preliminary data published in December 2015.

### Finland's greenhouse gas emissions by sector (emissions are positive and removals negative figures)



The revised emission data can be found in the table below and more specified in the [database table](#).

## Greenhouse gas emissions and removals by sector (million t CO<sub>2</sub> eq.)

	1990	1995	2000	2005	2010	2013	2014
Emissions without LULUCF sector <sup>1)</sup>	71.3	71.8	70.0	69.5	75.9	63.3	59.1
Energy sector	53.6	55.4	53.8	53.7	60.1	48.4	44.4
Energy industries	19.0	24.0	22.1	22.0	30.7	22.0	19.4
Manufacturing industries and construction	13.7	12.4	12.2	11.6	10.1	8.5	8.5
Transport	12.1	11.3	12.1	12.9	12.7	12.2	11.1
Other energy <sup>2)</sup>	8.8	7.6	7.4	7.1	6.5	5.7	5.4
Industrial processes and products use	5.4	4.9	5.8	6.5	6.6	6.1	6.0
Industrial processes (excl. F-gases) <sup>3)</sup>	5.3	4.9	5.2	5.6	4.8	4.4	4.2
Consumption of F-gases <sup>3)</sup>	0.1	0.1	0.6	0.9	1.8	1.6	1.8
Agriculture	7.5	6.8	6.4	6.4	6.5	6.5	6.5
Waste management	4.7	4.6	3.9	2.8	2.6	2.3	2.2
Indirect CO <sub>2</sub> emissions	0.3	0.2	0.2	0.1	0.1	0.1	0.1
LULUCF sector	-16.0	-15.3	-24.3	-29.4	-27.1	-20.3	-20.8

1) LULUCF refers to the land use, land-use change and forestry sector. The sector does not come under the scope of the emissions trading scheme or the reduction targets under the effort sharing decision

2) Other energy includes sub-categories heating of buildings, other fuel use in agriculture, forestry and fisheries, working machines in the sector, other fuel use and fugitive emissions from fuels

3) F-gases refer to fluorinated greenhouse gases (HFC, PFC compounds, SF<sub>6</sub> and NF<sub>3</sub>)

Under the EU Effort Sharing Decision non-emissions trading scheme (non-ETS) emissions are calculated as the difference between the total national emissions and verified emissions of the emissions trading scheme (ETS), excluding CO<sub>2</sub> emissions from domestic civil aviation according to the inventory. The data on the verified ETS emissions are published by the Energy Authority. Annual emission allocations for non-ETS emissions for the years 2013 to 2020 have been defined in the EU's Effort Sharing Decision. According to the now released data, non-ETS emissions are below the annual emission allocations in 2013 and 2014.

## Greenhouse gas emissions broken down between ETS and non-ETS in 2005, 2008 to 2010, and 2013 to 2014 (million t CO<sub>2</sub> eq.)

	2005	2008	2009	2010	2013	2014	Change, 2013–2014
Emissions without LULUCF sector	69.5	71.3	67.7	75.9	63.3	59.1	-4.2
CO <sub>2</sub> emissions from civil aviation	0.3	0.3	0.2	0.2	0.2	0.2	0.0
Emissions trading sector emissions <sup>1)</sup>	33.1	36.2	34.4	41.3	31.5	28.8	-2.7
Non-emissions trading sector emissions <sup>2)</sup>	36.1	34.9	33.1	34.4	31.6	30.1	-1.4

1) Source: Energy Authority. In 2013, emissions trading was expanded with new sectors

2) Excluding CO<sub>2</sub> emissions from domestic civil aviation according to the inventory

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# Revisions in these statistics

## Revision of Finland's greenhouse gas emissions. Emissions expressed in million tonnes CO2 equivalent

	Statistical reference year	Previous release	Latest release	Change <sup>1)</sup>
		14 Dec 2015	15 April 2016	% points
Totalt emissions	1990	71.3	71.3	0.0
	2005	69.5	69.5	0.0
	2008	71.3	71.3	0.0
	2009	67.7	67.7	0.0
	2010	75.9	75.9	0.0
	2011	68.0	68.0	0.0
	2012	62.4	62.4	0.1
	2013	63.2	63.3	0.1
	2014	59.1	59.1	0.0
Non-emissions trading sector <sup>2)</sup>	2005	36.1	36.1	0.0
	2008	34.9	34.9	0.0
	2009	33.1	33.1	0.0
	2010	34.4	34.4	0.0
	2011	32.7	32.7	0.0
	2012	32.6	32.7	0.1
	2013	31.5	31.6	0.2
	2014	30.1 <sup>3)</sup>	30.1	0.0

1) Change between the latest and previous releases

2) Excluding CO2 emissions from domestic civil aviation

3) Preliminary data

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Source: Greenhouse gas inventory unit, Statistics Finland