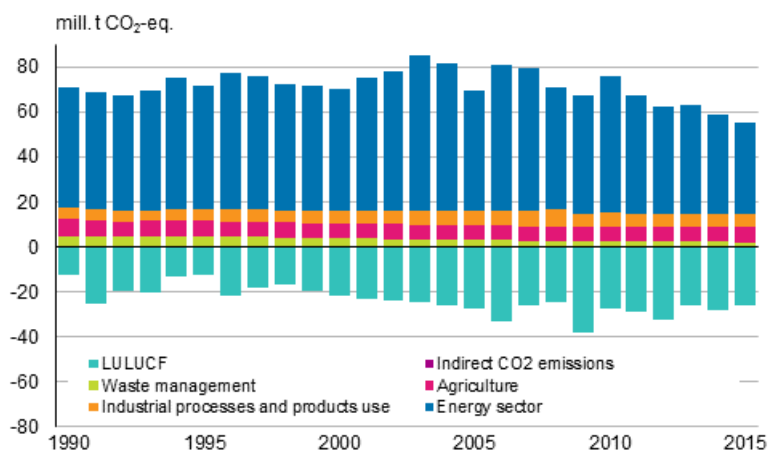


Greenhouse gases 2015

Finland's greenhouse gas emissions 2015 have been reported to the EU and UNFCCC

In 2015, Finland's greenhouse gas emissions amounted to 55.6 million tonnes of carbon dioxide equivalents (CO₂ eq.). These data are based on the report that will be sent by Statistics Finland to the EU and UNFCCC on 15 April on the revised emissions for 2015. Total emissions and removals remained more or less unchanged compared with the preliminary data published in December 2016.

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](#). More information on emissions, monitoring of the commitments and changes in the LULUCF sector can be found in the [review](#) of the release (in Finnish).

Greenhouse gas emissions and removals by sector (mil. t CO₂ eq.)

	1990	1995	2000	2005	2010	2013	2014	2015
Emissions without LULUCF sector ¹⁾	71.3	71.8	70.0	69.6	75.7	63.2	59.1	55.6
Energy sector	53.6	55.3	53.8	53.7	60.2	48.3	44.4	40.8
Energy industries	19.0	24.0	22.1	22.1	30.9	22.2	19.6	16.2
Manufacturing industries and construction	13.7	12.4	12.2	11.6	10.2	8.6	8.6	8.4
Transport	12.1	11.3	12.1	12.9	12.7	12.2	11.1	11.1
Other energy ²⁾	8.8	7.6	7.3	7.0	6.3	5.4	5.2	5.0
Industrial processes and products use	5.4	4.9	5.8	6.5	6.3	6.0	5.9	6.1
Industrial processes (excl. F-gases) ³⁾	5.3	4.8	5.2	5.6	4.8	4.4	4.2	4.5
Consumption of F-gases ³⁾	0.1	0.1	0.6	0.9	1.5	1.6	1.7	1.6
Agriculture	7.5	6.8	6.5	6.5	6.6	6.5	6.5	6.5
Waste management	4.7	4.6	3.9	2.8	2.6	2.3	2.2	2.1
Indirect CO ₂ emissions	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LULUCF sector	-12.7	-12.4	-21.7	-27.1	-27.3	-26.3	-28.3	-26.0

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, fuel use in agriculture, forestry and fisheries, working machines in the category, other fuel use and fugitive emissions from fuels

3) F-gases refer to fluorinated greenhouse gases (HFC, PFC compounds, SF₆ and NF₃)

Emissions outside the non-emissions trading scheme emissions are calculated as the difference between the total emissions and verified emissions of the emissions trading sector, excluding CO₂ emissions from domestic civil aviation according to the inventory. The data on the [verified emissions of the emissions trading sector](#) are published by the Energy Authority (in Finnish). Annual emission allocations for the years 2013 to 2020 have been defined in the EU's effort sharing decision for emissions from the non-emissions trading sector. Emissions from the non-emissions trading sector are below the annual emission allocations in 2013 to 2015.

Greenhouse gas emissions broken down between emissions trading and non-emissions trading sectors in 2005, 2008 to 2010, and 2013 to 2015 (million t CO₂ eq.)

	2005	2008	2009	2010	2013 ³⁾	2014 ³⁾	2015	Change, 2014-2015
Emissions without LULUCF sector	69.6	71.2	67.4	75.7	63.2	59.1	55.6	-3.6
CO ₂ emissions from civil aviation	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0
Emissions trading sector emissions ¹⁾	33.1	36.2	34.4	41.3	31.5	28.8	25.5	-3.3
Non-emissions trading sector emissions ²⁾	36.2	34.7	32.8	34.1	31.5	30.2	29.9	-0.3

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

2) Excluding CO₂ emission from domestic civil aviation according to the inventory

3) The values differ from those used in the monitoring the commitments under the Effort Sharing Decision (ESD). The values under the ESD are based in the previous inventory submission and are not updated retroactively.

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

	Statistical reference year	Previous release	Latest release	Change ¹⁾
		7 December 2016	6 April 2017	%
Total emissions (without LULUCF sector)	1990	71.3	71.3	0.0
	2005	69.7	69.6	-0.1
	2010	75.8	75.7	-0.2
	2011	67.9	67.7	-0.3
	2012	62.6	62.4	-0.3
	2013	63.4	63.2	-0.4
	2014	59.3	59.1	-0.3
	2015	55.6 ²⁾	55.6	0.0
LULUCF sector	1990	-12.7	-12.7	0.0
	2005	-27.1	-27.1	0.0
	2010	-27.3	-27.3	0.0
	2011	-28.7	-28.7	0.0
	2012	-32.3	-32.3	0.0
	2013	-26.3	-26.3	0.0
	2014	-28.3	-28.3	0.0
	2015	-26.0 ²⁾	-26.0	0.0
Non-emissions trading sector ³⁾	2013	31.7	31.5	-0.7
	2014	30.3	30.2	-0.5
	2015	30.0 ²⁾	29.9	-0.2

1) Change between the latest and previous releases

2) Preliminary data

3) Excluding CO2 emissions from domestic civil aviation

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Source: Greenhouse gas inventory unit, Statistics Finland