

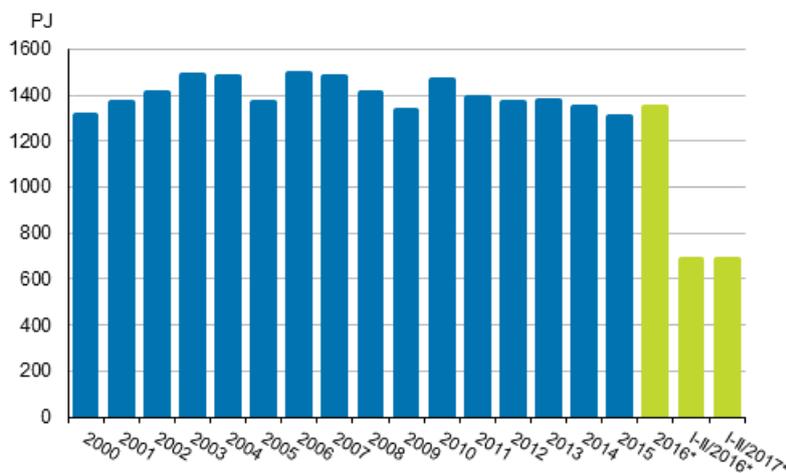
Energy supply and consumption

2017, 2nd quarter

Total energy consumption fell by one per cent in January to June

According to Statistics Finland's preliminary data, total energy consumption in January to June 2017 amounted to 686 petajoule (PJ), which is almost at the same level as one year before. Electricity consumption amounted to 44 terawatt hours (TWh), which is equal to a year earlier. Also carbon dioxide emissions of the energy sector remained on level with the year before.

Total energy consumption



*preliminary

The consumption of natural gas fell by seven per cent in January to June. The consumption of coal fell by one per cent. Of other fuels, the consumption of oil and peat remained at last year's level. The consumption of wood fuels grew by four per cent and they were the biggest energy source with a 27 per cent share of total consumption.

The volume of electricity produced with hydro power was 20 per cent lower than in January to June 2016. Net imports of electricity increased by 11 per cent from last year's level and their share in total electricity consumption was 24 per cent. Electricity produced with wind power increased by 87 per cent and its share in total consumption grew to five per cent.

In January to June, diverse energy products were imported into Finland to the value of EUR 4.4 billion, which was 31 per cent more than one year earlier. Most energy products were imported from Russia, whose share of the value of imports was 63 per cent. Energy products were exported to the value of EUR 2.2 billion, which was 28 per cent more than one year previously. Most energy products were exported from Finland to EU countries, which accounted for 81 per cent of the value of exports.

Stocks of coal amounted to 14 TWh at the end of June, which was 18 per cent less than one year earlier. At the end of June, it was estimated that the peat stocks contained 11 TWh of energy peat, or 34 per cent less than one year earlier.

Total energy consumption by source (TJ) and CO2 emissions (Mt)

Energy source	I-II/2017*	Annual change-%*	Percentage share of total energy consumption*
Oil ¹⁾	151,771	0	22
Coal ²⁾	64,603	-1	9
Natural gas ³⁾	39,182	-7	6
Nuclear energy ⁴⁾	115,435	-5	17
Net imports of electricity ⁵⁾	37,501	11	6
Hydro power ⁵⁾	24,648	-20	4
Wind power ⁵⁾	8,227	87	1
Peat	31,842	0	5
Wood fuels	183,937	4	27
Others ⁶⁾	29,115	-5	4
TOTAL ENERGY CONSUMPTION	686,263	0	100
Bunkers	20,673	8	.
CO2 emissions from energy sector	22	0	.

* = Preliminary data

. = Category not applicable

1) Oil: includes the bio part of transport fuels.

2) Coal: includes hard coal, coke, blast furnace gas and coke oven gas.

3) The consumption of natural gas does not include raw material use.

4) Conversion of electricity generation into fuel units: Nuclear power: 10.91 TJ/GWh (33% total efficiency)

5) Conversion of electricity generation into fuel units: Hydro power, wind power and net imports of electricity: 3.6 TJ/GWh (100%)

6) Others: includes exothermic heat from industry, recovered fuels, heat pumps, hydrogen, biogas, other bioenergy and solar energy.

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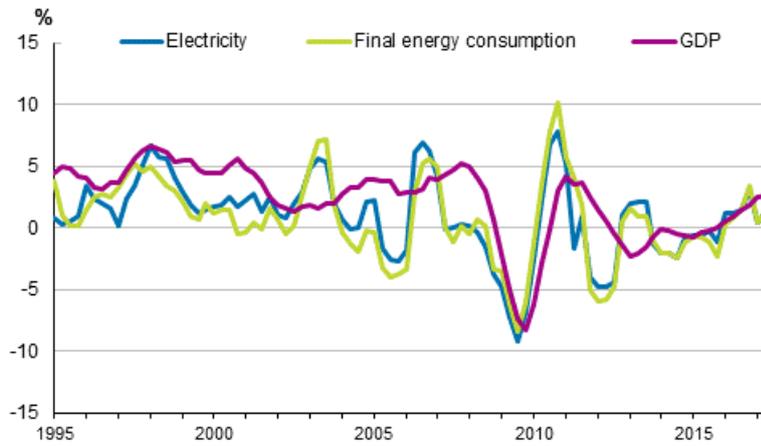
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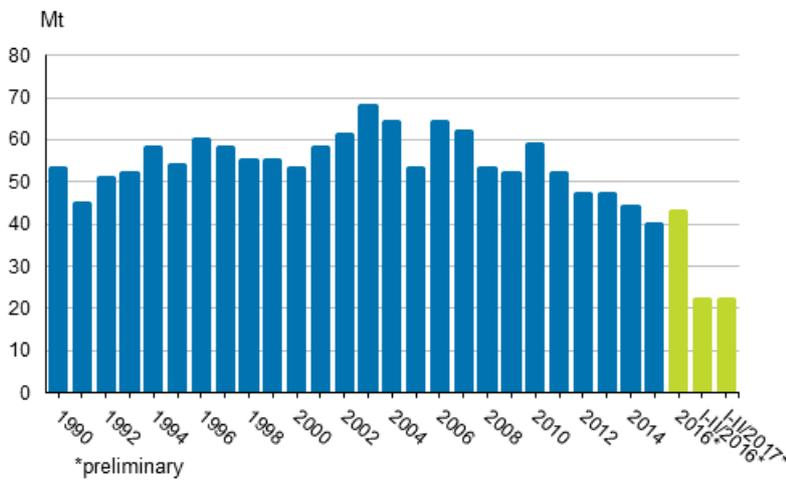
Appendix figures

Appendix figure 1. Changes in GDP, Final energy consumption and electricity consumption



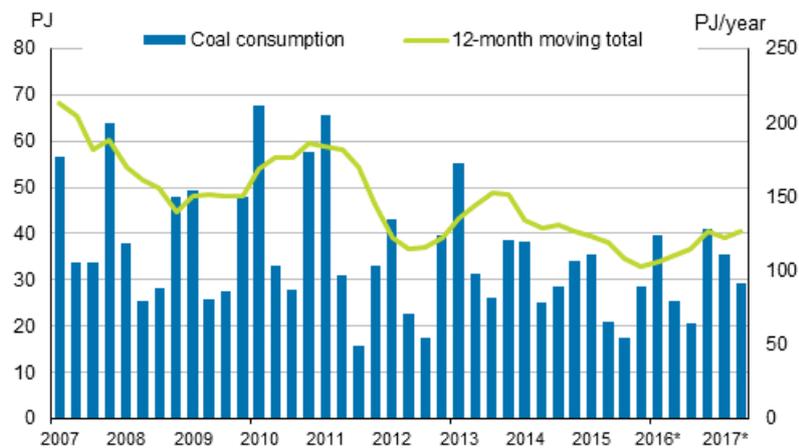
*preliminary, 12-month moving total

Appendix figure 2. Carbon dioxide emissions from fossil fuels and peat use



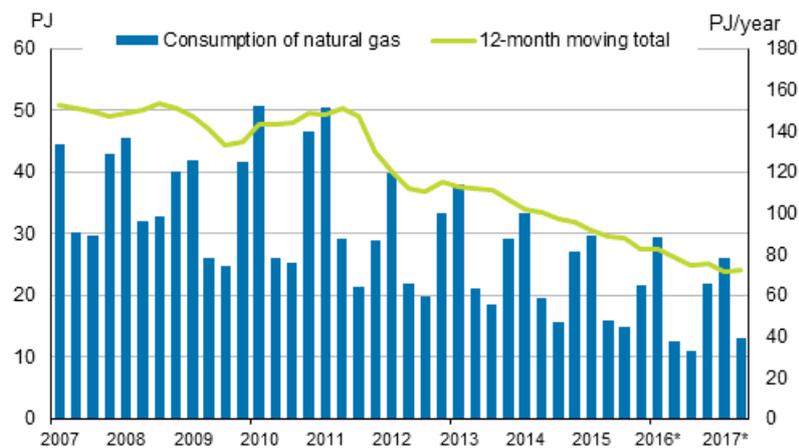
*preliminary

Appendix figure 3. Coal consumption



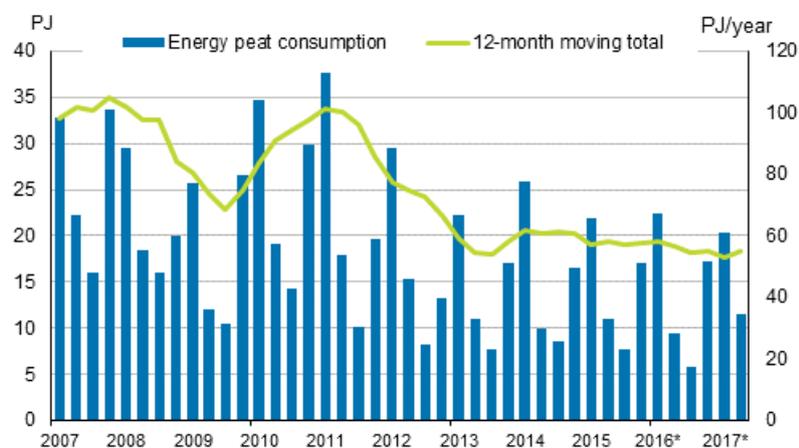
*preliminary

Appendix figure 4. Natural gas consumption



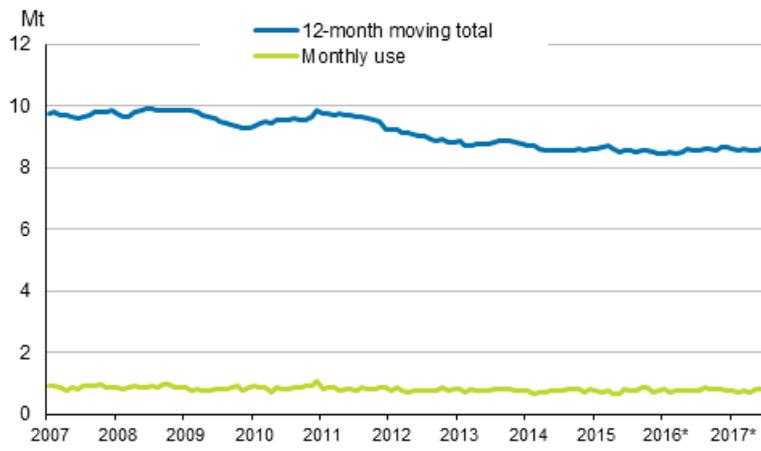
Source: Gasum, * preliminary

Appendix figure 5. Energy peat consumption



Source: The Bioenergy Association of Finland/Association of Finnish Peat Industries, *preliminary

Appendix figure 6. Domestic oil deliveries



Source: Finnish Petroleum and Biofuels Association, *preliminary

Revisions in these statistics

The data of the statistics have become revised according to the table below. For more information about data revisions, see Section 3 of the quality description (only in Finnish).

Revisions to data on annual changes in total energy consumption¹⁾

Total energy consumption and quarter	Annual change (%)		Revision (%-point)
	1st release (%)	Latest release 20st August 2017 (%)	
I-IV 2016	2	3	1
I/2016	5	6	1
II/2016	2	1	-1
III/2016	2	2	0
IV/2016	4	5	1
I/2017	-4	-4	0
II/2017	.	5	.

. = Category not applicable

1) The revisions describe the difference between the annual change percentages of the latest and first releases in percentages. The first release refers to the time when preliminary data for the statistical reference quarter in question were released for the first time.

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Source: Statistics Finland, Energy supply and consumption