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Statistical activity code: 20206

Questionnaire manual: Energy

Questionnaire code: 10252022 Submitted in: 15.04.2022, data about 2021

Periodicity: Annual

eSTAT (https://estat.stat.ee/) is for data submission.

Please make sure that you enter data in the correct cell. If you enter alphabetical characters in a number field, a corresponding error message is displayed. In the case of some fields, logic (arithmetic) checks have been applied to prevent data entry mistakes. If there is a conflict in the entered data or they conflict with pre-filled data, an error message appears when the table is checked. In the case of errors, review the data carefully and make corrections.
After correcting the data, save changes and check the questionnaire again. If there are no more mistakes, confirm and submit the data by clicking “Confirm” on the last page of the questionnaire. You will be displayed a message that the data have been submitted successfully. If you have any questions, please contact Statistics Estonia’s customer service either by phone at +372 625 9300 (Mon–Thu 8:30–16:30, Fri 8:30–15:30) or by e-mail at klienditugi@stat.ee.

DATA COLLECTED WITH THE QUESTIONNAIRE

Table 1. ELECTRICITY

For those who already have submitted data in the questionnaire “Power Plant” (1024) the electricity production quantities are prefilled in the Web form. Starting from April, the questionnaire is partly prefilled with data of the Environment Agency and data from the previous year’s “Energy” questionnaire. Prefilled are only the questionnaires with status “Not started” or “Cancelled”.

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
1 / 1	Electricity: produced - quantity	EN_1_1_1	Quantity of electricity generated on the basis of meter readings (MWh (1000 kWh) integers).	Positive real number (0,2)	
2 / 1	Electricity: purchased - quantity	EN_1_1_2	Quantity of electricity purchased on the basis of meter readings (MWh (1000 kWh) integers).	Positive real number (0,2)	
2 / 2	Electricity: purchased – cost	EN_1_2_2	Cost of electricity purchased, excluding VAT, euros (integers). The cost includes fixed fees, capacity and network charges, renewable energy fees, excise tax, and does not include charges for reactive power.	Positive integer	
3 / 1	Electricity: total consumption for own use - quantity	EN_1_3_1	Total quantity of electricity consumed at own enterprise (business entity) (MWh (1000 kWh), integers) on the basis of meter readings..	Positive real number (0,2)	
4 / 1	Electricity: consumed for own use for heat generation in electric boilers – quantity	EN_1_4_1	Quantity of electricity consumed for heat generation in electric boilers (MWh (1000 kWh) integers).	Positive real number (0,2)	
5 / 1	Electricity: consumed for own use for heat generation in heat pumps – quantity	EN_1_5_1	Quantity of electricity consumed for heat generation in heat pumps (MWh (1000 kWh) integers). Heat pump – electrically driven compressor pump which accumulates heat from ground, water bodies, effluent, air.	Positive real number (0,2)	
6 / 1	Electricity: losses in transmission networks and equipment – quantity	EN_1_6_1	Losses of electricity in transmission networks, rectifiers, converters etc. (MWh (1000 kWh) integers).	Positive real number (0,2)	
8_1 / 1	Electricity: sold to dealers – quantity	EN_1_8_1_1	Quantity of electricity sold to dealers (MWh (1000 kWh) integers).	Positive real number (0,2)	
8_1 / 2	Electricity: sold to dealers – cost	EN_1_8_1_2	Cost of electricity sold to dealers, excluding VAT, euros (integers).	Positive integer	
8 / 1	Electricity: sold to	EN_1_8_	Quantity of electricity sold (MWh (1000 kWh) integers) to	Positive real	

	enterprises and institutions for final consumption – quantity	1	enterprises and institutions for final consumption.	number (0,2)	
8 / 2	Electricity: sold to enterprises and institutions for final consumption – cost	EN_1_8_2	Cost of electricity sold to enterprises and institutions, and households for final consumption, excluding VAT, euros, integers.	Positive integer	
9 / 1	Electricity: sold to households – quantity	EN_1_9_1	Quantity of electricity sold to households (MWh (1000 kWh) integers). Quantity of electricity includes sale to housing and apartment associations, real estate management firms etc. where final consumers of electricity are households.	Positive real number (0,2)	
9 / 2	Electricity: sold to households – cost	EN_1_9_2	Cost of electricity sold to households, excluding VAT, euros (integers). Cost of electricity includes sale to housing and apartment associations, real estate management firms etc. where final consumers of electricity are households.	Positive integer	

Table 2. HEAT

In case heat quantities have not been measured, they can be calculated by multiplying the fuel quantities by calorific value (see HERE) and efficiency of the boiler. Average efficiency of a boiler for solid fuels 0.7, for liquid fuels 0.8, for gas-fired boilers 0.9. If heat production has been terminated, add the respective explanation in comments of the period. Total production - heat produced in both power plants and boiler-houses.

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
10 / 1	Heat: production – quantity	EN_2_10_1	Total quantity of heat production (MWh (1000 kWh), integers) Heat producing power plants do not show among heat production heat consumed for electricity generation.	Positive real number (0,2)	
12 / 1	Heat: purchased – quantity	EN_2_12_1	Quantity of heat purchased based on meter readings (MWh (1000 kWh) integers).	Positive real number (0,2)	
12 / 2	Heat: purchased – cost	EN_2_12_2	Cost of heat purchased, excluding VAT, euros (integers).	Positive integer	
13 / 1	Heat: total consumed for own use – quantity	EN_2_13_1	Total quantity of heat consumed at own enterprise (business entity) based on meter readings (MWh (1000 kWh), integers).	Positive real number (0,2)	
15_1 / 1	Heat: sold to dealers – quantity	EN_2_15_1_1	Total quantity of heat sold to dealers (MWh (1000 kWh) integers).	Positive real number (0,2)	
15_1 / 2	Heat: sold to other dealers – cost	EN_2_15_1_2	Cost of heat sold to dealers, excluding VAT, euros (integers).	Positive integer	
15_2 / 1	Heat from district heating – sold to network operator	EN_2_20_1		Positive real number (0,2)	
15 / 1	Heat: sold to enterprises and institutions for final consumption – quantity	EN_2_15_1	Quantity of heat sold to dealers, for final consumption to enterprises, institutions and households (MWh (1000 kWh), integers).	Positive real number (0,2)	
15 / 2	Heat: sold to enterprises and institutions for final consumption – cost	EN_2_15_2	Cost of heat sold to enterprises and institutions, and households for final consumption, excluding VAT, euros, integers.	Positive integer	
16 / 1	Heat: sold to households – quantity	EN_2_16_1	Quantity of heat sold to households (MWh (1000 kWh) integers). Quantity of heat includes trade to housing associations, real estate management firms etc. where final consumers of electricity are households.	Positive real number (0,2)	
16 / 2	Heat: sold to households – cost	EN_2_16_2	Cost of heat sold to households, excluding VAT, euros (integers). Cost of heat includes sales to housing associations, real estate management firms etc. where final consumers of heat are households.	Positive integer	
99 / 1	Heat from district heating – sold by network operator	EN_2_21_1		Positive real number (0,2)	

	for final consumption				
999 / 1	Heat from district heating – meets conditions for energy-efficient district heating	EN_2_22_1		Positive real number (0,2)	
17 / 1	Heat: Losses in heat network – quantity	EN_2_17_1	Losses of heat in transmission networks (MWh (1000 kWh) integers).	Positive real number (0,2)	

Table 3. FUELS IN STOCKS, INCOMINGS, OUTGOINGS AND CONSUMPTION BY PURPOSE

When filling on the web, column 1 "Type of fuel from the fuels classification" and column 2 "Fuels in stocks at the beginning of the year" contain data from the previous year's questionnaire, from columns 1 "Type of fuel from fuels classification" and 12 "Fuels in stocks at the end of the year". When entering data you need not select type of fuel from the classification but click on the row number in table below and the name of fuel is displayed automatically. Please double-check the prefilled fields and specify, if necessary. To amend a row that has been entered and saved already, click on the respective row number in the first column - data correction window opens. (See https://www.stat.ee/dokumendid/510552)

Heat produced in boilers (column 17): if heat quantities have not been measured, they can be calculated by multiplying the fuel quantities by calorific value (see https://www.stat.ee/dokumendid/510552) and efficiency of the boiler. Average efficiency of a boiler: for solid fuels 0.7; for liquid fuels 0.8; for gas-fired boilers 0.9. If you record fuel consumption for other purposes (column 20), mark the explanation of the purpose (for example, for technological purpose, as fuel for construction machinery, in field works in agriculture, in dryer furnaces, greenhouses and other directly consumed fuel) in the comment of the period. Motor gasoline - 1000 litres is approximately 0.75 tonnes. Diesel - 1000 litres is approximately 0.84 tonnes.

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
1 / 1	Type of fuel *	EN_4_1_19		Kütuste loetelu 2020	
1 / 2	Fuel: in stocks at the beginning of the period – quantity	EN_4_1_1	Fuels in stocks at the beginning of the period.	Positive real number (0,1)	
1 / 3	Fuel: input from own production – quantity	EN_4_1_2	Quantity of heat produced.	Positive real number (0,1)	
1 / 4	Fuel: purchased – quantity	EN_4_1_3	Quantity of fuel purchased.	Positive real number (0,1)	
1 / 5	Fuel: purchased – cost	EN_4_1_4	Cost of consumed fuel at acquisition price, excluding VAT, euros (integers).	Positive integer	
1 / 6	Fuel: consumed for own use – quantity	EN_4_1_5	Total quantity of fuels consumed (for producing electricity and heat in boilers or power plants, for transforming into other types of fuel, raw materials, in transportation, incl. road transport, or other purposes).	Positive real number (0,1)	
1 / 7	Fuel: totals trade – quantity	EN_4_1_6	Total quantity of fuel sold.	Positive real number (0,1)	
1 / 8	Fuel: total trade – cost	EN_4_1_7	Cost of fuel sold to households, excluding VAT, euros (integers).	Positive real number (0,1)	
1 / 9	Fuel: sold to household customers – quantity	EN_4_1_8	Quantity of fuels sold to households.	Positive real number (0,1)	
1 / 10	Fuel: sold to household customers – cost	EN_4_1_9	Cost of fuel sold to households, excluding VAT, euros (integers).	Positive integer	
1 / 11	Fuel: losses – quantity	EN_4_1_10	Loss of fuels in storage and transport, determined on the basis of write-off documents, in their absence, based on estimates.	Positive real number (0,1)	
1 / 12	Fuel: in stocks at the end of the period – quantity	EN_4_1_11	Fuels registered as stocks at the end of the year. Fuels that have been sold but not removed from the warehouse are not marked as fuels in stocks.	Positive real number (0,1)	

1 / 14	Fuels: consumed for electricity generation - quantity	EN_4_1_12	Quantity of fuel consumed at power plant for electricity production.	Positive real number (0,1)	
1 / 15	Fuel: consumed for heat generation in power plants – quantity	EN_4_12	Quantity of fuel consumed for producing heat in power plants.	Positive real number (0,1)	
1 / 16	Fuel: consumed for heat generation in boilerss – quantity	EN_4_13	Quantity of fuel consumed for producing heat in boilers.	Positive real number (0,1)	
1 / 17	Fuel: heat production in boilers – quantity	EN_3_4	In case the heat quantity has not been measured, it can be calculated by multiplying the calorific value of the fuel and efficiency of the boiler. Average efficiency of the boiler: for solid fuels 0.7; liquid fuels 0.8; gas boilers 0.9.	Positive real number (0,2)	
1 / 18	Fuel: fuel consumed for transformation into other types of fuels – quantity	EN_4_1_14	Quantity of fuels consumed in other types of fuels for transformation (for example, oil shale used for production of shale oil and oil-shale coke; peat for fuel used for production of peat briquette).	Positive real number (0,1)	
1 / 19	Fuel: consumed for raw materials - quantity	EN_4_1_15	Quantity of fuel consumed as raw material (for example, oil shale or natural gas used in chemical industry as raw material; liquefied fuel used as road surfacing and lubricating oils).	Positive real number (0,1)	
1 / 20	Fuel: total consumption in transportation – quantity	EN_4_1_16	Quantity of fuels consumed in all transport vehicles in Estonia Quantities purchased outside the Estonian territory are not shown.	Positive real number (0,1)	
1 / 21	Fuel: consumed in road transport – quantity	EN_4_1_17	Quantity of fuel consumed in Estonia by passenger cars and lorries, buses and special vehicles. Quantities purchased outside the Estonian territory are not shown.	Positive real number (0,1)	
1 / 22	Fuel: consumed for other use – quantity	EN_4_1_18	Consumption of fuel in domains not mentioned above. For example, fuel burned in furnaces (not boilers), fuels consumed in the production of manufactured products directly for technological purposes (in timber dryers), in construction activities (in construction plants), in hoists on enterprise’s territory, in agriculture (in field works, in dryer and greenhouse furnaces, etc.).	Positive real number (0,1)	

Table 4. ELECTRICITY USED IN TRANSPORT VEHICLES

In economic activities **A01100-G47991, H49321-U99001** you need not fill in the table.

The table should be filled in by enterprises operating in railway, water and air transport or which use electricity to move rolling stock.

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
2 / 1	Electricity for movement of rolling stock: total consumption in tram transport – quantity	ENTR_2716_1_1	Total quantity of electricity consumed in tramway transport for rolling stock movement (MWh, integers).	Positive integer	
3 / 1	Electricity for movement of rolling stock: total consumption in trolleybus transport – quantity	ENTR_2719_2_1	Total quantity of electricity consumed in trolleybus transport for rolling stock movement (MWh, integers).	Positive integer	
4 / 1	Electricity for movement of rolling stock: total consumption in railway transport – quantity	ENTR_2716_3_1	Total quantity of electricity consumed in railway transport for rolling stock movement (MWh, integers).	Positive integer	

Table 5. TIME SPENT ON FILLING OUT THE QUESTIONNAIRE (incl. for preparing the data)

Please estimate how much time you spent on filling out the questionnaire (incl. time spent on reading the instructions, collecting and preparing data). Record the total time spent by all employees.

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
/	Number of hours spent on completing the questionnaire and collecting and preparing the necessary data	TAITMISEAEGTUNDI	Number of hours spent by all employees on completing the questionnaire. The time spent on completing the questionnaire includes the time spent on reviewing instructions, collecting and preparing the necessary data.	Positive integer	
/	Number of minutes spent on completing the questionnaire and collecting and preparing the necessary data	TAITMISEAEGMINUTIT	Number of minutes spent by all employees on completing the questionnaire. The time spent on completing the questionnaire includes the time spent on reviewing instructions, collecting and preparing data. Permitted value range 0–59.	Positive integer	

Table Z. Help table

Row code/ column code	Name of variable * - mandatory	Code of variable	Explanation	Type of data (number of decimals) or list/ classification name	You neet not fill in the value: period, economic activity
/	Variable within eSTAT	ESTAT	For further control of the data of the eSTAT questionnaire.	Positive integer	

LISTS / CLASSIFICATIONS

Name of the list/classification: **Kütuste loetelu 2020**

Item code	Item name	Unit of measurement	Clarification
1020	Coal, tonne (t)	tonne	
1070	Coke, tonne (t)	tonne	
1111	Fuelwood, cubic metre (m³)	MTQ	1 stacked cubic metre (cbm) is approximately 0.7 solid cubic metres.
1112	Wood chips, cubic metre (m³)	MTQ	Wood chips are produced from logging waste, roundwood, logs, shrubs and bushes, stumps or wood industry residues. 1 stacked cubic metre is approximately 0.4 solid cubic metres.
1113	Wood pellets, tonne (t)	tonne	Sticks or cubes with a diameter of 6-12 mm, agglomerated from dried sawdust by compression at temperature up to 80°C .
1114	Briquette, tonne (t)	tonne	Blocks of ground and dried sawdust compressed at appropriate temperature.
1115	Wood waste, cubic metre (m³)	MTQ	1 stacked cubic metre is approximately 0.4 solid cubic metres, 1 stacked cubic metre of sawdust is approximately 0.25 solid cubic metres.
1116	Forestry waste, cubic metre (m³)	MTQ	
1117	Energy forest, cubic metre (m³)	MTQ	
1131	Milled peat, tonne (t)	tonne	1 cubic metre is approximately 0.3 tonnes.
1132	Sod peat, tonne (t)	tonne	1 cubic metre is approximately 0.4 tonnes.
1133	Peat briquette, tonne (t)	tonne	
1140	Municipal waste, tonne (t)	tonne	Waste originating from households, commerce and trade,

			municipal services and elsewhere, that is similar by composition and nature. Is burned for energy generation, prior to which hazardous waste is removed.
1150	Industrial waste, tonne (t)	tonne	Non-hazardous waste originating from production processes that is burned for energy generation.
1171	Cereal, tonne (t)	tonne	Agricultural raw material/fuel.
1172	Straw, tonne (t)	tonne	Agricultural raw material/fuel.
1173	Dung, tonne (t)	tonne	Agricultural raw material/fuel.
1174	Rape waste, tonne (t)	tonne	Agricultural raw material/fuel.
1175	Bone meal, tonne (t)	tonne	Agricultural raw material/fuel.
1176	Animal fat (animal waste), tonne (t)	tonne	Agricultural raw material/fuel.
1190	Refuse derived fuel, tonne (t)	tonne	Processed waste to be used as fuel (RDF) Write the type of fuel under “Comment about period”.
1200	Oil shale, tonne (t)	tonne	
1210	Other solid fuels		Write the type of fuel and unit of measurement under “Comment about period”
1300	Rubber granules, tonne (t)	tonne	
2030	Heavy fuel oil, tonne (t)	tonne	Residual fuels and other fuel oils among the heavy distillates.
2040	Light fuel oil, tonne (t)	tonne	1000 litres is approximately 0.9 tonnes.
2051	Diesel, tonne (t)	tonne	
2052	Biodiesel, tonne (t)	tonne	A methyl–ester produced from vegetable or animal oil, of diesel quality, pure biodiesel B100.
2070	Jet fuel, tonne (t)	tonne	Jet fuel (aviation kerosene) used in air transport.
2080	Motor gasoline, tonne (t)	tonne	1000 litres are approximately 0.75 tonnes.
2090	Aviation gasoline, tonne (t)	tonne	
2110	Shale oil (heavy fraction), tonne (t)	tonne	
2120	Shale oil (light fraction), tonne (t)	tonne	
2150	Black liquor, tonne (t)	tonne	
2190	Refined oils and lubricants, tonne (t)	tonne	
2220	Bitumen, tonne (t)	tonne	
2231	Bioethanol, tonne (t)	tonne	Ethanol produced from biomass and /or the biodegreadable fraction of waste.
2251	Other liquid fuels		Write the type of fuel and unit of measurement under “Comment about period”
3010	Natural gas, thousand cubic metres (1000 m^3)	MQM	
3011	Liquified natural gas (LNG), tonne (t)	tonne	
3012	Compressed natural gas (CNG), tonne (t)	tonne	
3030	Liquified gas (LPG), tonne (t)	tonne	Propane and butane, or a mixture of the two.
3090	Green gas (biomethane)	MQM	Gas consisting of methane and carbon dioxide, produced as a result of anaerobic fermentation.
3110	Shale oil gas, thousand cubic metres (1000 m^3)	MQM	
3120	Coke oven gas, thousand cubic metres (1000 m^3)	MQM	
3150	Sewage sludge gas, thousand cubic metres (1000 m^3)	MQM	
3160	Landfill gas, thousand cubic metres (1000 m^3)	MQM	
3170	Other gases		Write the type of fuel and unit of measurement under “Comment about period”