eesti statistika

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Statistical activity code: 20206

Questionnaire manual: Power plant

Questionnaire code: 10242023   Submitted in: 1.02.2023, data about 2022

Periodicity: Annual

Statistics Estonia guarantees the full protection of data submitted.

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. TYPE OF ELECTRICITY GENERATION

he questionnaire is partly filled with data from previous year
Please specify prefilled fields where necessary. Some fields and tables, and pages are displayed by type of power generation.

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 power plant *	ELJ_1_1		elektrijaam_4L	

Table 1.1. TOTAL NUMBER OF TURBINES

In economic activities **D35112-D35113** you need not fill in the table.

Data from previous year are displayed in the table. Please double-check the prefilled fields and correct where necessary.

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	Back pressure steam turbine – number of turbines in cogeneration plants	ELJL_11_2	Number of installed back pressure turbine in combined heat and power plants.	Positive integer	
2 / 1	Steam condensing turbine – number of turbines in cogeneration plants	ELJL_21_2	Number of steam condensing turbines in combined heat and power plants.	Positive integer	
3 / 1	Internal combustion engine – number of turbines in cogeneration plant	ELJL_31_2	Number of installed internal combustion engine in combined heat and power plants.	Positive integer	

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Table 2. CAPACITY, MW

Values from previous period are displayed in the table. Please double-check the prefilled fields and correct where necessary.

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
11 / 1	Power plant – total installed electrical capacity at the end of the year *	ELJ_3_11_1	Installed maximum electrical capacity of power plant (MW, integers), as at 31 December.	Positive real number (0,3)	
11 / 2	Power plant – total installed thermal capacity at the end of the year *	ELJ_3_11_2	Installed maximum thermal capacity of power plant (MW, integers), as at 31 December.	Positive real number (0,3)	D35112-D35113
12 / 1	Power plant – installed electrical capacity with cogeneration at the end of the year *	ELJ_3_12_1	Installed maximum electrical capacity of power plant in combined heat and power generation (MW, integers), as at 31 December.	Positive real number (0,3)	D35112-D35113
12 / 2	Power plant – installed thermal capacity with cogeneration at the end of the year *	ELJ_3_12_2	Installed maximum thermal capacity of power plant in combined heat and power generation (MW, integers), as at 31 December.	Positive real number (0,3)	D35112-D35113
12_3 / 1	Back pressure steam turbine – electrical capacity in cogeneration plants	ELJL_11_3	Maximum electricity output capacity of back pressure turbines in combined heat and power plants (MW, two decimal places).	Positive real number (0,3)	D35112-D35113
12_3 / 2	Back pressure steam turbine – thermal capacity in cogeneration plants	ELJL_11_4	Maximum thermal capacity of back pressure turbines in combined heat and power plants (MW, two decimal places) if produced heat is consumed in technological processes oft the manufacturing enterprise or transmitted into heat networks.	Positive real number (0,3)	D35112-D35113
12_2 / 1	Steam condensing turbine – electrical capacity in cogeneration plants	ELJL_21_3	Maximum electricity output capacity of steam condensing turbines in combined heat and power plants (MW, two decimal places).	Positive real number (0,3)	D35112-D35113
12_2 / 2	Steam condensing turbine – thermal capacity in cogeneration plants	ELJL_21_4	Maximum thermal capacity of steam condensing turbines in combined heat and power plants (MW, two decimal places) if produced heat is consumed in technological processes of the manufacturing enterprise or is transmitted into heat networks.	Positive real number (0,3)	D35112-D35113
12_1 / 1	Internal combustion engine – electrical capacity in cogeneration plant	ELJL_31_3	Maximum electricity output capacity of internal combustion engines in combined heat and power plants (MW, two decimal places).	Positive real number (0,3)	D35112-D35113
12_1 / 2	Internal combustion engine – thermal capacity in cogeneration plant	ELJL_31_4	Maximum thermal capacity of internal combustion engines in combined heat and power plants (MW, two decimal places) if produced heat is consumed in technological processes of the manufacturing enterprise or transmitted into heat networks.	Positive real number (0,3)	D35112-D35113
14 / 1	Power plant – total electrical capacity (net) at the end of the year *	ELJ_3_14_1	Available electrical capacity of power plant (MW, integers), as at 31 December, less capacity for own use by power plant and for losses in transformers.	Positive real number (0,3)	
14 / 2	Power plant – total thermal capacity (net) at the end of the year *	ELJ_3_14_2	Available electrical capacity of power plant (MW, integers), as at 31 December, less capacity for own use by power plant and for losses in transformers.	Positive real number (0,3)	D35112-D35113
15 / 1	Power plant – electrical capacity with cogeneration (net) at the end of	ELJ_3_15_1	Available electrical capacity of power plant in cogeneration (MW, integers), as at 31 December, less capacity for own use by power plant and for losses in transformers.	Positive real number (0,3)	D35112-D35113

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Row code/ column code	Name of variable	Code of variable	Explanation	Type of data	
	the year *				
15 / 2	Power plant – thermal capacity with cogeneration (net) at the end of the year *	ELJ_3_15_2	Available thermal capacity of power plant in combined heat and power generation (MW, integers), as at 31 December, less capacity for own use by the power plant and for losses in transformers.	Positive real number (0,3)	D35112-D35113
16 / 1	Power plant – annual peak load of electrical capacity (net) *	ELJ_3_16_1	Maximum load of power installations (MW, integers) with a year.	Positive real number (0,3)	
17 / 1	Power plant – available electrical capacity (net) during peak load *	ELJ_3_17_1	Maximum available capacity (MW) of power installations during the peak load.	Positive real number (0,3)	
18 / 1	Power plant – date of peak load of electrical capacity (dd.mm.yyyy)	ELJ_3_18_1	Date of peak load (dd.mm.yyyy).	Date	D35112-D35113
181 / 1	Power plant – time of peak load of electrical capacity (hh.mm)	ELJ_3_181_1	Time of peak load (hh.mm).	Text	D35112-D35113
19 / 1	Electrical capacity installed during the year	ELJ_3_19_1	Newly installed capacity is the net maximum electrical capacity of the generation units that become operational in the reference year.	Positive real number (0,3)	
20 / 1	Electrical capacity decommissioned during the year	ELJ_3_20_1	Decommissioned capacity is the net maximum electrical capacity that is no longer operational during the reference year.	Positive real number (0,3)	

Table 3. CONSUMPTION OF FUELS AND PRODUCTION OF ENERGY

In economic activities **D35112-D35113** you need not fill in the table.

Consumption of fuel and production of energy – production of electricity and heat by type of fuel consumed for that purpose. In case of missing values enter 0.

Please double-check the prefilled fields and correct where necessary.To amend the prefilled data/row, click on the number of respective row in the first column – the data correction window opens. If heat quantities are not measured, they can be calculated by multiplying the fuel quantities by calorific value (see HERE) and efficiency of the boiler.

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 / A	Type of generation equipment *	ELJ_1_2		Energia genereerimisseadmed	
1 / C	Type of fuel *	EN_4_1_19		Kütuste loetelu 2022	
1 / 1	Average calorific value of fuels *	ELJ_4_1		Positive real number (0,1)	
1 / 2	Total quantity of fuels consumed for electricity generation *	ELJ_4_2	Quantity of fuels consumed at power plants for electricity generation.	Positive integer	
1 / 3	Quantity of fuels consumed for electricity generation in cogeneration *	ELJ_4_3	Fuel consumed at the power plant for electricity generation in combined heat and power generation.	Positive integer	
1 / 4	Total quantity of fuels consumed for heat generation *	ELJ_4_4	Fuel consumed at the power plant for producing heat.	Positive integer	
1 / 5	Quantity of fuels consumed for heat generation in	ELJ_4_5	Fuel consumed at the power plant for producing heat in combined heat and power generation.	Positive integer	

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	cogeneration *				
1 / 6	Electricity: total production – quantity *	ELJ_4_39_5	Gross electricity generation of the power plant, measured at the outlet terminals of the main generators.	Positive integer	
1 / 7	Quantity of electricity produced in cogeneration *	ELJ_4_7	Gross production of electricity in power plant in cogeneration process.	Positive integer	
1 / 8	Total production of thermal energy *	ELJ_4_8	Total quantity of heat produced at the power plant.	Positive integer	
1 / 9	Quantity of thermal energy produced in cogeneration *	ELJ_4_9	Gross production of heat in power plant in cogeneration process.	Positive integer	
1 / 10	Quantity of sold heat from combined heat and power generation *	ELJ_4_10	Quantity of heat produced in power plant in combined heat and power generation process, delivered to third party.	Positive integer	

Table 4. TOTAL PRODUCTION OF ENERGY

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	Total production of hydro energy	EN_M_1_11_1	Total quantity of hydro energy production, incl. own consumption by power plant MWh (integers).	Positive integer	
2 / 1	Total production of wind energy	EN_M_1_12_1	Total quantity of wind energy production, incl. own consumption by power plant, MWh (integers).	Positive integer	

Table 5. NET PRODUCTION OF ELECTRICITY (excl. production of solar energy)

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	Net production of electricity *	ELJ_5_3	Net generation of electricity – gross electricity generation less the energy absorbed by the generating auxiliaries and the losses in the main generator transformers.	Positive integer	

Table 6. 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	TAITMISEAEGMI	Number of minutes spent by all employees on completing the questionnaire. The time spent on completing the	Positive integer	

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	completing the questionnaire and collecting and preparing the necessary data	NUTIT	questionnaire includes the time spent on reviewing instructions, collecting and preparing data. Permitted value range 0–59.		

Table Y1. Assessment on a scale of 1 to 5

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
/	Wording of questions	TAGASIS_2		rahulolu_numbriline_5_kuni_1_9L	
/	Wording of error messages or controls of questions	TAGASIS_3		rahulolu_numbriline_5_kuni_1_9L	
/	Explanatory texts (appearing when the mouse cursor hovers over them) of the questionnaire	TAGASIS_7		rahulolu_numbriline_5_kuni_1_9L	
/	Pre-filling of the questionnaire	TAGASIS_8		rahulolu_numbriline_5_kuni_1_9L	
/	User-friendliness of eSTAT	TAGASIS_9		rahulolu_numbriline_5_kuni_1_9L	

Table Y2. Overall assessment on the questionnaire

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
/	Overall assessment on the ease of completing the questionnaire	TAGASISY_1		rahulolu_vaga_lihtne_vaga_keeruline_5L	

Table Y3. Suggestions and comments (200 characters max)

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
/	Suggestions and comments	TAGASIS_TESST		Text	

LISTS / CLASSIFICATIONS

Name of the list/classification: **Energia genereerimisseadmed**

Item code	Item name		Unit of	Clarification

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		measurement	
1	Backpressure turbine		
2	Steam condensing turbine		
3	Internal combustion engine		
9	Other generation		

Name of the list/classification: **elektrijaam_4L**

Item code	Item name	Unit of measurement	Clarification
167	Combined heat and power (CHP) plant		
168	Hydro-power plant		
169	Wind- power plant		
170	Other type of electricity generation		