

## Controls and autosums in questionnaire: Energy

Code of the questionnaire: 10252023  
Periodicity: Annual

Is submitted: 15.04.2023, data about 2022

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A field with a grey background has been automatically filled online. The data in this field cannot be changed, they are visible after saving.  
If the data you entered are inconsistent internally or with the prefilled data, an error message appears upon checking. If errors (warnings) appear, check the data carefully and make corrections.  
In the case of warnings (if you are sure that the data you entered are correct), click on "Confirm warnings" button and confirm the questionnaire.

Mandatory fields in the questionnaire are marked with a red asterisk.

### CONTROLS

#### Controls in table 1. ELECTRICITY

Control ID	Control formula	Clarification	Type of error
25923	$KUI \{ \{ EN\_1\_2\_2 \} > 0 \text{ JA } \{ EN\_1\_1\_2 \} > 0 \}, SIIS \{ BETWEEN(\{ \{ EN\_1\_2\_2 \} / \{ EN\_1\_1\_2 \} \}, 60, 400) \}$	Please make sure that the cost and quantity of electricity are correct. The purchase price of electricity is between 60 and 400 euros/MWh.	Warning
29235	$KUI(\{ EN\_1\_8\_1\_2 \} > 0), SIIS(\{ EN\_1\_8\_1\_1 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29236	$KUI(\{ EN\_1\_8\_1\_1 \} > 0), SIIS(\{ EN\_1\_8\_1\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29237	$KUI(\{ EN\_1\_8\_2 \} > 0), SIIS(\{ EN\_1\_8\_1 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29238	$KUI(\{ EN\_1\_8\_1 \} > 0), SIIS(\{ EN\_1\_8\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29239	$KUI(\{ EN\_1\_9\_2 \} > 0), SIIS(\{ EN\_1\_9\_1 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29240	$KUI(\{ EN\_1\_9\_1 \} > 0), SIIS(\{ EN\_1\_9\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29241	$KUI(\{ EN\_1\_2\_2 \} > 0), SIIS(\{ EN\_1\_1\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29242	$KUI(\{ EN\_1\_1\_2 \} > 0), SIIS(\{ EN\_1\_2\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
33068	$\{ EN\_1\_1\_1 \} + \{ EN\_1\_1\_2 \} = \{ EN\_1\_3\_1 \} + \{ EN\_1\_6\_12 \} + \{ EN\_1\_8\_1\_1 \} + \{ EN\_1\_8\_1 \} + \{ EN\_1\_9\_1 \}$	Inconsistent data. Check the validity of: sum of rows 1 and 2 in column 1 (Table 1) is equal to the sum of rows 3, 6_1 and 7 (Table 1).	Error

#### Controls in table 2. HEAT

Control ID	Control formula	Clarification	Type of error
1431	$\{ EN\_2\_10\_1 \} + \{ EN\_2\_12\_1 \} = \{ EN\_2\_13\_1 \} + \{ EN\_2\_15\_1 \} + \{ EN\_2\_15\_1 \} + \{ EN\_2\_16\_1 \} + \{ EN\_2\_17\_1 \}$	Inconsistent data. Check the validity of: sum of rows 10 and 12 in column 1 (Table 2) is equal to the sum of rows 13, 14 and 17 (Table 2).	Error
25924	$KUI \{ \{ EN\_2\_12\_2 \} > 0 \text{ JA } \{ EN\_2\_12\_1 \} > 0 \}, SIIS \{ BETWEEN(\{ \{ EN\_2\_12\_2 \} / \{ EN\_2\_12\_1 \} \}, 50, 150) \}$	Please make sure that the cost and quantity of heat energy are correct. The purchase price of heat energy is between 50 and 150 euros/MWh.	Warning
29256	$KUI(\{ EN\_2\_12\_1 \} > 0), SIIS(\{ EN\_2\_12\_2 \} > 0)$	The columns for quantity and cost must be filled in.	Warning
29257	$KUI(\{ EN\_2\_12\_2 \} > 0), SIIS(\{ EN\_2\_12\_1 \} > 0)$	The columns for quantity and cost must be filled in.	Warning

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29258	KUI({EN_2_15_1}>0).SIIS({EN_2_15_2}>0)	The columns for quantity and cost must be filled in.	Warning
29259	KUI({EN_2_15_2}>0).SIIS({EN_2_15_1}>0)	The columns for quantity and cost must be filled in.	Warning
29260	KUI({EN_2_15_1}>0).SIIS({EN_2_15_2}>0)	The columns for quantity and cost must be filled in.	Warning
29261	KUI({EN_2_15_2}>0).SIIS({EN_2_15_1}>0)	The columns for quantity and cost must be filled in.	Warning
29268	KUI({EN_2_16_1}>0).SIIS({EN_2_16_2}>0)	The columns for quantity and cost must be filled in.	Warning
29269	KUI({EN_2_16_2}>0).SIIS({EN_2_16_1}>0)	The columns for quantity and cost must be filled in.	Warning
30775	{EN_2_20_1}<={EN_2_15_1_1}	Inconsistent data. The amount of heat sold to district heating network operators (row 15_2 column 1) cannot be greater than the amount of heat sold to dealers (row 15_1 column 1).	Error
30776	{EN_2_22_1}<={EN_2_21_1}	Inconsistent data. The amount of heat sold to final consumers on energy efficient conditions (row 999 column 1) cannot be greater than the amount of heat sold to final consumers by district heating network operators (row 99 column 1).	Error
32400	KUI({EN_2_10_1}>0), SIIS({EN_2_10_1}={INFO_KONTR})	Empty field the Table 3. If the quantity of heat produced (Table 2 column 1 row 10) has been marked, also mark the Table 3 column EN_4_13 and EN_3_4.	Warning

### Controls in table 3. FUELS IN STOCKS, INCOMINGS, OUTGOINGS AND CONSUMPTION BY PURPOSE

Control ID	Control formula	Clarification	Type of error
1135	{EN_4_1_19}!=NULL	Empty field. Type of fuel is a mandatory field	Error
1456	{EN_4_1_1}+{EN_4_1_2}+{EN_4_1_3}={EN_4_1_5}+{EN_4_1_6}+{EN_4_1_10}+{EN_4_1_11}	Sums are not equal. Check the validity in each row: columns 2+3+4 (in Table 3) = columns 6+7+11+12 (in Table 3)	Error
1457	(({EN_4_1_3}>0 JA {EN_4_1_4}>0) VÕI ({EN_4_1_3}=0 JA {EN_4_1_4}=0)	Empty field. If the quantity of fuel purchased (Table 3 column 4) has been marked, also mark the cost of fuel purchased (Table 3 column 5).	Warning
1458	{EN_4_1_6}>={EN_4_1_8}	Inconsistent data. Check the validity of: total quantity of fuel sold (column 7 in Table 3) is bigger than/equal to the quantity of fuel sold to incl. households (Table 3 column 9)	Warning
1459	(({EN_4_1_6}>0 JA {EN_4_1_7}>0) VÕI ({EN_4_1_6}=0 JA {EN_4_1_7}=0)	Empty field. If the quantity of fuel sold (Table 3 column 7) has been marked, also mark the cost of fuel sold (Table 3 column 8).	Warning
1460	{EN_4_1_7}>={EN_4_1_9}	Empty field. If the quantity of fuel sold (Table 3 column 8) has been marked, also mark the cost of fuel sold to households (Table 3 column 10).	Warning
1461	(({EN_4_1_8}>0 JA {EN_4_1_9}>0) VÕI ({EN_4_1_8}=0 JA {EN_4_1_9}=0)	Empty field. If the quantity of fuel sold to incl. households (Table 3 column 8) has been marked, also mark the cost of fuel sold to households (Table 3 column 10).	Warning
21492	KUI({EN_4_1_19}!=NULL), SIIS({EN_4_1_1}+{EN_4_1_2}+{EN_4_1_3}+{EN_4_1_4}+{EN_4_1_6}+{EN_4_1_7}+{EN_4_1_8}+{EN_4_1_9}+{EN_4_1_10}>0)	If the type of fuel from fuel classification has been marked, also mark the fuels in stocks at the beginning of the year or fuel input from own production or the quantity of purchased fuel and quantity and cost of fuel sold/consumed or delete the row.	Warning
25900	KUI (({EN_4_1_19}=1020) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(({EN_4_1_4}/{EN_4_1_3}),70,115))	Please make sure that the fuel cost and quantity are correct. The purchase price of coal is between 70 and 115 euros/t.	Warning
25901	KUI (({EN_4_1_19}=1200) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(({EN_4_1_4}/{EN_4_1_3}),12,20))	Please make sure that the fuel cost and quantity are correct. The purchase price of oil shale is between 12 and 20 euros/t.	Warning
25902	KUI (({EN_4_1_19}=1131) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(({EN_4_1_4}/{EN_4_1_3}),15,35))	Please make sure that the fuel cost and quantity are correct. The purchase price of milled peat is between 15 and 35 euros/t.	Warning
25903	KUI (({EN_4_1_19}=1132) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(({EN_4_1_4}/{EN_4_1_3}),46,75))	Please make sure that the fuel cost and quantity are correct. The purchase price of sod peat between 46 and 75 euros/t.	Warning
25904	KUI (({EN_4_1_19}=1133) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS	Please make sure that the fuel cost and quantity are correct. The purchase price of peat briquette is between 65 and 130 euros/t.	Warning

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	(BETWEEN((EN_4_1_4)/EN_4_1_3),65.130))		
25905	KUI ((EN_4_1_19)=1111) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),30.60))	Please make sure that the fuel cost and quantity are correct. The purchase price of fuelwood is between 30 and 60 euros/m³.	Warning
25906	KUI ((EN_4_1_19)=1112) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),10.20))	Please make sure that the fuel cost and quantity are correct. The purchase price of wood chips is between 10 and 20 euros/m³.	Warning
25907	KUI ((EN_4_1_19)=1115) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),10.20))	Please make sure that the fuel cost and quantity are correct. The purchase price of wood waste is between 10 and 20 euros/m³.	Warning
25908	KUI ((EN_4_1_19)=1116) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),10.20))	Please make sure that the fuel cost and quantity are correct. The purchase price of forestry waste is between 10 and 20 euros/m³.	Warning
25909	KUI ((EN_4_1_19)=1113) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),116.200))	Please make sure that the fuel cost and quantity are correct. The purchase price of wood pellets is between 116 and 200 euros/m³.	Warning
25910	KUI ((EN_4_1_19)=1114) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),116.200))	Please make sure that the fuel cost and quantity are correct. The purchase price of wood briquette is between 116 and 200 euros/t.	Warning
25911	KUI ((EN_4_1_19)=3010) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),500.3000))	Please make sure that the fuel cost and quantity are correct. The purchase price of natural gas is between 500 and 3000 euros/1000m³.	Warning
25912	KUI ((EN_4_1_19)=3030) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),800.12000))	Please make sure that the fuel cost and quantity are correct. The purchase price of liquefied gas is between 800 and 2,000 euros/t.	Warning
25913	KUI ((EN_4_1_19)=2030) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),400.700))	Please make sure that the fuel cost and quantity are correct. The purchase price of heavy fuel oil is between 400 and 700 euros/t.	Warning
25914	KUI ((EN_4_1_19)=2110) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),250.500))	Please make sure that the fuel cost and quantity are correct. The purchase price of shale oil (heavy fraction) is between 250 and 500 euros/t.	Warning
25915	KUI ((EN_4_1_19)=2120) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),350.600))	Please make sure that the fuel cost and quantity are correct. The purchase price of shale oil (light fraction) is between 350 and 600 euros/t.	Warning
25916	KUI ((EN_4_1_19)=2040) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),380.611))	Please make sure that the fuel cost and quantity are correct. The purchase price of light fuel oil is between 380 and 611 euros/t.	Warning
25917	KUI ((EN_4_1_19)=2051) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),300.2000))	Please make sure that the fuel cost and quantity are correct. The purchase price of diesel is between 300 and 2000 euros/t.	Warning
25918	KUI ((EN_4_1_19)=2080) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),600.2000))	Please make sure that the fuel cost and quantity are correct. The purchase price of motor gasoline is between 600 and 2000 euros/t.	Warning
25919	KUI ((EN_4_1_19)=2090) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),258.840))	Please make sure that the fuel cost and quantity are correct. The purchase price of aviation gasoline is between 258 and 840 euros/t.	Warning
25920	KUI ((EN_4_1_19)=2070) JA ((EN_4_1_4)>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN((EN_4_1_4)/EN_4_1_3),258.1000))	Please make sure that the fuel cost and quantity are correct. The purchase price of jet fuel is between 258 and 1000 euros/t.	Warning
25921	KUI ((EN_4_1_19)=2220) JA ((EN_4_1_4)>0 JA	Please make sure that the fuel cost and quantity are correct. The purchase price of bitumen is between 130	Warning

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	{EN_4_1_3}>0)), SIIS (BETWEEN(((EN_4_1_4)/(EN_4_1_3)),130,500))	and 500 euros/t.	
25922	KUI (({EN_4_1_19}=2190) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(((EN_4_1_4)/(EN_4_1_3)),1000,5400))	Please make sure that the fuel cost and quantity are correct. The purchase price of refined oils is between 1000 and 5400 euros/t.	Warning
29179	{EN_4_1_5}={EN_4_1_12}+ {EN_4_1_12}+{EN_4_1_13}+{EN_4_1_14}+{EN_4_1_15}+{EN_4_1_16}+{EN_4_1_18}	Sum total does not add up. Check that the consumption of fuel for own use (column 6 Table 3) = columns 14+15+16+18+19+20+22	Error
30777	KUI (({EN_4_1_19}=3012) JA ({EN_4_1_4}>0 JA {EN_4_1_3}>0)), SIIS (BETWEEN(((EN_4_1_4)/(EN_4_1_3)),900,8000))	Please make sure that the fuel cost and amount are correct. The purchase price for compressed gas is generally between 900 and 8,000 euros/t.	Warning
31436	{EN_4_1_17}<={EN_4_1_16}	Inconsistent data. Fuel consumed in road transport (input window row 21) cannot be more than fuel consumed in transportation (input window row 20).	Error
31437	{EN_4_1_13}>0 JA {EN_3_4}>0 VÕI {EN_4_1_13}=0 JA {EN_3_4}=0	Inconsistent data. If fuel consumed for heat generation in boilers (input window row 16) is indicated, heat production in boilers (input window row 17) must be filled in and vice versa.	Error
31457	KUI ({/ESTAT}=50 JA {EN_4_1_19}="2051" VÕI {EN_4_1_19}="2030" JA {EN_4_1_5}>0), SIIS {EN_4_1_16}>0)	An operating water transport enterprise (EMTAK=50) presumably uses diesel fuel or heavy fuel oil; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
31458	KUI ({/ESTAT}=51 JA {EN_4_1_19}="2070" VÕI {EN_4_1_19}="2090" JA {EN_4_1_5}>0), SIIS {EN_4_1_16}>0)	An operating air transport enterprise (EMTAK=51) presumably uses jet fuel or aviation gasoline; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
31459	KUI ({/ESTAT}=503 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating inland water transport enterprise (EMTAK=503) presumably uses diesel fuel; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
31460	KUI ({/ESTAT}=10312960 JA {EN_4_1_19}="2051" VÕI {EN_4_1_19}="3012" JA {EN_4_1_5}>0), SIIS {EN_4_1_16}>0)	An operating transport enterprise presumably uses diesel fuel or CNG; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
31462	KUI ({/ESTAT}=49 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating rail transport enterprise (EMTAK=49) presumably uses diesel fuel; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
31463	KUI ({EN_4_1_19}="1200" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*2.5)),0.3,1))	Heat generated from oil shale must correspond to oil shale consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*2.5)) must be in the range 0.3 to 1.	Warning
31464	KUI ({EN_4_1_19}="1131" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*2.8)),0.6,1))	Heat generated from milled peat must correspond to milled peat consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*2.8)) must be in the range 0.6 to 1.	Warning
31465	KUI ({EN_4_1_19}="1132" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*3.3)),0.6,1))	Heat generated from sod peat must correspond to sod peat consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*3.3)) must be in the range 0.6 to 1.	Warning
31466	KUI ({EN_4_1_19}="1133" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*4.4)),0.6,1))	Heat generated from peat briquette must correspond to peat briquette consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*4.4)) must be in the range 0.6 to 1.	Warning
31467	KUI ({EN_4_1_19}="1140" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*4.0)),0.6,1))	Heat generated from municipal waste must correspond to municipal waste consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*4.0)) must be in the range 0.6 to 1.	Warning
31468	KUI ({EN_4_1_19}="1171" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*3.9)),0.6,1))	Heat generated from cereals must correspond to cereals consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*3.9)) must be in the range 0.6 to 1.	Warning
31469	KUI ({EN_4_1_19}="1172" JA {EN_3_4}>0 JA {EN_4_1_13}>0), SIIS (BETWEEN(((EN_3_4)/({EN_4_1_13}*4.8)),0.6,1))	Heat generated from straw must correspond to straw consumed for heat generation. Efficiency (EN_3_4/(EN_4_1_13*4.8)) must be in the range 0.6 to 1.	Warning
31470	KUI ({EN_4_1_19}="1174" JA {EN_3_4}>0 JA	Heat generated from rapeseed waste must correspond to rapeseed waste consumed for heat generation.	Warning

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	{EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*4.6)),0.6,1))	Efficiency (EN_3_4/(EN_4_13*4.6)) must be in the range 0.6 to 1.	
31471	KUI ({EN_4_1_19}="1175" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*5.3)),0.6,1))	Heat generated from bone meal must correspond to bone meal consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*5.3)) must be in the range 0.6 to 1.	Warning
31472	KUI ({EN_4_1_19}="1176" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*3.0)),0.6,1))	Heat generated from animal waste must correspond to animal waste consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*3.0)) must be in the range 0.6 to 1.	Warning
31473	KUI ({EN_4_1_19}="1177" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*6.9)),0.6,1))	Heat generated from the residue of pressing oil crops must correspond to the same residue consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*6.9)) must be in the range 0.6 to 1.	Warning
31474	KUI ({EN_4_1_19}="1190" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*4.42)),0.6,1))	Heat generated from waste fuel must correspond to waste fuel consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*4.42)) must be in the range 0.6 to 1.	Warning
31475	KUI ({EN_4_1_19}="2030" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*11.2)),0.6,1))	Heat generated from heavy fuel oil must correspond to heavy fuel consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*11.2)) must be in the range 0.6 to 1.	Warning
31476	KUI ({EN_4_1_19}="2040" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*11.8)),0.6,1))	Heat generated from light fuel oil must correspond to light fuel consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*11.8)) must be in the range 0.6 to 1.	Warning
31477	KUI ({EN_4_1_19}="2051" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*11.8)),0.6,1))	Heat generated from diesel fuel must correspond to diesel fuel consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*11.8)) must be in the range 0.6 to 1.	Warning
31478	KUI ({EN_4_1_19}="2110" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*10.9)),0.6,1))	Heat generated from shale oil (heavy fraction) must correspond to shale oil (heavy fraction) consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*10.9)) must be in the range 0.6 to 1.	Warning
31479	KUI ({EN_4_1_19}="2120" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*11.8)),0.6,1))	Heat generated from shale oil (light fraction) must correspond to shale oil (light fraction) consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*11.8)) must be in the range 0.6 to 1.	Warning
31480	KUI ({EN_4_1_19}="2150" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*2.14)),0.6,1))	Heat generated from black liquor must correspond to black liquor consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*2.14)) must be in the range 0.6 to 1.	Warning
31481	KUI ({EN_4_1_19}="2252" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*10.0)),0.6,1))	Heat generated from waste cooking oil must correspond to waste cooking oil consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*10.0)) must be in the range 0.6 to 1.	Warning
31482	KUI ({EN_4_1_19}="3010" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*9.3)),0.6,1))	Heat generated from natural gas must correspond to natural gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*9.3)) must be in the range 0.6 to 1.	Warning
31483	KUI ({EN_4_1_19}="3030" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*12.4)),0.6,1))	Heat generated from liquefied gas must correspond to liquefied gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*12.4)) must be in the range 0.6 to 1.	Warning
31484	KUI ({EN_4_1_19}="3090" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*5.0)),0.6,1))	Heat generated from biogas must correspond to biogas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*5.0)) must be in the range 0.6 to 1.	Warning
31485	KUI ({EN_4_1_19}="3110" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*1.8)),0.3,1))	Heat generated from oil shale gas must correspond to oil shale gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*1.8)) must be in the range 0.3 to 1.	Warning
31486	KUI ({EN_4_1_19}="3150" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(((EN_3_4)/((EN_4_13)*5.0)),0.6,1))	Heat generated from waste water sediment must correspond to waste water sediment consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*5.0)) must be in the range 0.6 to 1.	Warning



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31487	KUI ({EN_4_1_19}="3160" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*5.0)),0.6,1))	Heat generated from landfill gas must correspond to landfill gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*5.0)) must be in the range 0.6 to 1.	Warning
31488	KUI ({EN_4_1_19}="1020" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*7.5)),0.6,1))	Heat generated from coal must correspond to coal consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*7.5)) must be in the range 0.6 to 1.	Warning
31489	KUI ({EN_4_1_19}="1111" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*1.55)),0.6,1))	Heat generated from fuelwood must correspond to fuelwood consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*1.55)) must be in the range 0.6 to 1.	Warning
31490	KUI ({EN_4_1_19}="1112" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*0.82)),0.6,1))	Heat generated from wood chips must correspond to wood chips consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*0.82)) must be in the range 0.6 to 1.	Warning
31491	KUI ({EN_4_1_19}="1113" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*4.9)),0.6,1))	Heat generated from wood pellets must correspond to wood pellets consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*4.9)) must be in the range 0.6 to 1.	Warning
31492	KUI ({EN_4_1_19}="1114" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*4.7)),0.6,1))	Heat generated from wood briquette must correspond to wood briquette consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*4.7)) must be in the range 0.6 to 1.	Warning
31493	KUI ({EN_4_1_19}="1115" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*0.82)),0.6,1))	Heat generated from landfill gas must correspond to landfill gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*0.82)) must be in the range 0.6 to 1.	Warning
31494	KUI ({EN_4_1_19}="1116" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*0.6)),0.6,1))	Heat generated from forestry waste must correspond to forestry waste consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*0.6)) must be in the range 0.6 to 1.	Warning
31495	KUI ({EN_4_1_19}="1117" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*5.0)),0.6,1))	Heat generated from energy shrub must correspond to energy shrub consumed for heat generation. Efficiency (EN_3_4/(EN_4_13*5.0)) must be in the range 0.6 to 1.	Warning
31496	KUI ({EN_4_1_19}="3120" JA {EN_3_4}>0 JA {EN_4_13}>0), SIIS (BETWEEN(({EN_3_4}/({EN_4_13}*12.2)),0.3,1))	Heat generated from coke oven gas must correspond to coke oven gas consumed for heat generation. Efficiency (EN_3_4/(EN_4_13* 12.2)) must be in the range 0.3 to 1.	Warning
32375	KUI ({/ESTAT}=10579981 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating transport enterprise presumably uses diesel fuel; therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
32376	KUI ({/ESTAT}=10069369 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating transport enterprise presumably uses diesel fuel therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
32377	KUI ({/ESTAT}=10318973 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating transport enterprise presumably uses diesel fuel therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
32378	KUI ({/ESTAT}=11349438 JA {EN_4_1_19}="2051" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating transport enterprise presumably uses diesel fuel therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning
33152	KUI ({/ESTAT_2}=10015238 JA {EN_4_1_19}="3012" ), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33226	KUI ({/ESTAT_2}=10178905 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33227	KUI ({/ESTAT_2}=10136870 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33228	KUI ({/ESTAT_2}=10017303 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33229	KUI ({/ESTAT_2}=14995392 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33230	KUI ({/ESTAT_2}=14772628 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning

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33231	KUI ({/ESTAT_2}=10178087 JA {EN_4_1_19}="3012"), SIIS ({EN_4_1_6}>0)	An operating enterprise presumably sells compressed natural gas (CNG); therefore, the quantity of fuel sold in Table 3 (input window row 7) must be filled in.	Warning
33933	KUI ({/ESTAT}=10238429 JA {EN_4_1_19}="2051" VÕI {EN_4_1_19}="2030" VÕI {EN_4_1_19}="3011" JA {EN_4_1_5}>0), SIIS ({EN_4_1_16}>0)	An operating enterprise presumably uses diesel, heavy fuel oil or liquified natural gas (LNG); therefore, fuels consumed in transportation in Table 3 (input window row 20) must be filled in.	Warning

### Controls in table 5. TIME SPENT ON FILLING OUT THE QUESTIONNAIRE (incl. for preparing the data)

Control ID	Control formula	Clarification	Type of error
20060	{TAITMISEAEGTUNDI}+{TAITMISEAEGMINUTIT}>0	The time spent on filling in the questionnaire must be recorded and the sum of hours and minutes must be more than 0. The time spent means time spent by all employees to read questionnaire instructions, collect and prepare data and fill in the questionnaire.	Error
20061	{TAITMISEAEGTUNDI}<=999	Maximum permitted value is 999 hours.	Error
33113	{TAITMISEAEGMINUTIT}<=59	Maximum permitted value is 59 minutes. Time exceeding 60 minutes shall be indicated in hours and minutes.	Error

### Controls across tables

Control ID	Control formula	Clarification	Type of error
20633	KUI({EN_2_10_1}>0),SIIS (TABEL(48673355))	Empty field. If the quantity of heat produced (Table 2 column 1 row 10) has been marked, also mark the type(s) of fuels used for heat generation (Table 3), excluding heat produced from electricity.	Warning
29177	KUI ({EN_1_1_1}<1), SIIS ({EN_2_10_1}={INFO_KONTR})	If electricity produced = 0, tahan Table 2 heat total production = in Table 3 total heat production in boilers	Error
33067	KUI({/ESTAT_1}=1), SIIS({EN_1_6_12}>0)	Distribution network operators must fill in row "Losses in distribution networks" in Table 1.	Warning

## AUTOSUMS

### Autosums in table 1. ELECTRICITY

Row name	Column name	Formula	Clarification
Total trade	Quantity of electricity, MWh (1000 kWh)	{EN_1_8_1}+{EN_1_8_1_1}+{EN_1_9_1}	Auto sum is a sum of sub rows.
Total trade	Cost of electricity, without VAT, euros	{EN_1_8_1_2}+{EN_1_8_2}+{EN_1_9_2}	Auto sum is a sum of sub rows.

### Autosums in table 2. HEAT

Row name	Column name	Formula	Clarification
Total production (Fuels consumed for heat generation in boilers or power plants. Heat	Data from column 17 of Table 3, displayed after	{EN_3_4}	

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generated in boilers by type of fuel should be reported in column 17, Table 3).	saving.		
Total trade	Quantity of heat, MWh (1000kWh).	{EN_2_15_1_1}+{EN_2_15_1}+{EN_2_16_1}	Auto sum is a sum of sub rows.
Total trade	Cos of heat, without VAT, euros	{EN_2_15_1_2}+{EN_2_15_2}+{EN_2_16_2}	Auto sum is a sum of sub rows.

### Autosums in table 3. FUELS IN STOCKS, INCOMINGS, OUTGOINGS AND CONSUMPTION BY PURPOSE

Row name	Column name	Formula	Clarification
	Consumption of fuels for own use in Estonia (value from column 6)	{EN_4_1_5}	value from column 6

### Autosums in table 4. ELECTRICITY USED IN TRANSPORT VEHICLES

Row name	Column name	Formula	Clarification
Electricity (for rolling stock movement), MWh	.	{ENTR_2716_1_1}+{ENTR_2719_2_1}+{ENTR_2716_3_1}	

### Autosums in table Prefilling to question EKOMAR

Row name	Column name	Formula	Clarification
Cost of purchased fuels from Table 3, total	Indicator	{\$EN_4_1_4}	