

Energy Consumption in Households

Questionnaire 05.3.24.6 (One time)
Approved by the Board of National Statistics Office of Georgia,
Resolution N4. 19.02.2019

- According to the “Law of Georgia on Official Statistics” 25th Article, point first, with the view of fulfilling its functions the GeoStat shall be authorized to request and receive from administrative bodies, physical and legal persons all kinds of statistical data and other information, including confidential information and/or information containing personal data, in line with the “Law on Personal Data Protection”.
- Individual data shall be considered confidential and be kept in accordance with the General Administration Code of Georgia and Article 28 of the Law of Georgia on Official Statistics. It might be used only for statistical purposes.
- **Reference period 01.05.2021 – 01.05.2022**

Identification data

Territory code	
Address of dwelling	
Number of household	
Number of persons in household	
Name/surname of respondent	
Phone number of respondent	

Name/surname of interviewer	
Signature of interviewer	
Date of interview	-- / -- / ---- day/month/year
Start time of interview	hr..... min.....
End time of interview	hr..... min.....

Participation of household in survey

1. Does dwelling exist at the specified address?

1. Yes, dwelling is located on indicated address
2. Yes, but no one can be found at this address
3. No, address does not exist
4. Yes, dwelling is hostel (pension, shelter, etc.)

} Finish the interview

2. Participation in survey

1. Agreed to an interview
2. Refused to participate
3. Could not be reached for 3 visits

} Finish the interview

3. Control questions

1. Has been this dwelling used by your household at least for 12 months?

Yes	No
1	2

2. Is this dwelling primary residence for your household?

(Primary residence is considered a dwelling which is occupied by household for more than 6 months during the year)

1	2
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For interviewer: if at least for the one of these questions answer is “no”, finish the interview

PART I. DATA OF HOUSEHOLD

1. Indicate dwelling type

Single house	Apartment	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>

1.1 Indicate dwelling ownership type

Owned	Rented/Pledged	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>

2. Indicate construction material of dwelling walls

Concrete slabs	Brick, hollow brick, block, stone	Wood	Ground, mud, adobe	Mixed	Other	Unknown
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	-9 <input type="checkbox"/>

3. Is dwelling thermally insulated?

Category	Yes	No	Unknown
External walls	1	2	-9
Floor	1	2	-9
Ceiling	1	2	-9
External windows	1	2	-9

4. Indicate the period when construction of dwelling was completed

Before 1950	1951-1990	1991-1995	1996-2005	2006-2010	2011-2016	2016 and after	Unknown
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	-9 <input type="checkbox"/>

5. When was the last time when dwelling was reconstructed?*(year)

Unknown (tick off)

Was not reconstructed (tick off?)

* Term covers the reconstruction of the dwelling, construction works or other works, including installation of doors and windows, wall insulation, changing roof and heating system.

6. The total area of dwelling occupied by household, m²

7. Heating of dwelling (7.1-7.4 questions regarding the last 12 months)

 Unknown
-9

7.1 What part of the dwelling area has been heated mainly during the winter? m²

7.2 For how many hours has been indicated area heated during the day in average?

7.3 At what temperature has been indicated area heated in average? (°C)

7.4 For how many months has been indicated area heated?

8. Which type of heating have you used predominantly for the last 12 months?

Central heating system (individual boiler of building) (natural gas) ↗ 11	Individual central heating system (natural gas) ↗ 9	Individual central heating system (firewood, coal and other sources) ↗ 9	Individual heating facilities (electricity, natural gas, solid and liquid fuel) ↗ 10	Without heating ↗ 11
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

9. Which energy forms have you been using for individual central heating system for the last 12 months?
(multiple choice possible)

Natural gas	Coal	Firewood, agricultural waste	Briquettes and pellets	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

↗ 11

10. Which energy forms have you been using for individual heating facilities for the last 12 months?

(indicate all possible answers)

Natural gas	Coal	Firewood, agricultural waste	Briquettes and pellets	Electricity	Animal waste	LPG (gas cylinder)	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>

11. The type of water heating system?

11. 1 Do you have a central system for hot water supply?

Yes ↗ 12	No ↗ 11.2
1 <input type="checkbox"/>	2 <input type="checkbox"/>

11. 2 If you have individual system for hot water supply (boiler and etc.). Indicate the type of energy forms that you have been using for the last 12 months

(indicate all possible answers)

Natural gas	Coal	Firewood, agricultural waste	Briquettes and pellets	Electricity	Electricity	Other	No ↗ 11.3
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>

11. 3 If you have no individual water heating system, indicate how do you heat the water

(Indicate all possible answers)

Gas stove	Electric oven	Firewood, coal stove	Heater, electric kettle	Sun	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>

12. Methods of cooking

12.1 Energy forms have been used for cooking at stoves for the last 12 months

(indicate all possible answers)

Natural gas	LPG (gas cylinder)	Firewood, agricultural waste	Coal	Electricity	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>

12.2 Energy forms have been used for cooking at oven for the last 12 months

(indicate all possible answers)

Natural gas	LPG (gas cylinder)	Firewood, agricultural waste	Coal	Electricity	Other
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>

13. Do you have the air conditioning system?

Yes <input type="checkbox"/> 14	No <input type="checkbox"/> 15
1 <input type="checkbox"/>	2 <input type="checkbox"/>

14. Cooling of the dwelling (14.1-14.4 questions regarding the last 12 months)

Unknown
-9

14.1 What part of the dwelling area has been cooled by air conditioning mainly during the summer? m²

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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14.2 For how many hours has been mentioned area cooled during the day in average?

<input type="text"/>	<input type="text"/>	<input type="text"/>
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14.3 At what temperature has been mentioned area cooled in average? (°C)

<input type="text"/>	<input type="text"/>	<input type="text"/>
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14.4 For how many months has been indicated area heated?

<input type="text"/>	<input type="text"/>	<input type="text"/>
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15. Indicate the number of electric appliances

(Fill in for each category. If the household does not have an appropriate electric appliance, write 0)

- 15.1 TV /
- 15.2 Refrigerator, freezer /
- 15.3 Washing machine /
- 15.4 Dishwasher /
- 15.5 Microwave oven /
- 15.6 Computer /
- 15.7 Welding machine, grinder tool, electric pump for water and other construction equipment /
- 15.8 Other (please, indicate) /

15.a Please, indicate data on main appliances existing in your household according to the table below

(Question concerns only TV, refrigerator, washing machine and computer)

Name of electric appliance	Year of purchase	Indicate the class	Intensity of usage*	Average number of hours**
15.a1	15.a2	15.a3	15.a4	15.a5

* 15.a4 Use following codes in column: 1 – daily ; 2 – several times a week, 3 – several times a month

** Estimate the average number of hours in accordance with 15.a4 column

16. Indicate the number of lighting bulbs used for lighting households for the last 12 months

(Fill in for each category. If the household have not used appropriate bulb, write 0)

- 16.1. Incandescent / /
- 16.2. Tubular/Compact Fluorescent / /
- 16.3. LED / /
- 16.4. Halogen / /
- 16.5. Other (please specify) _____ / /

17. Does your household have the solar panels?

Yes ↻ 17.1		No ↻ 18	
1	<input type="checkbox"/>	2	<input type="checkbox"/>

17.1 Indicate surface occupied by the solar panels installed in the household, m2

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18. Does your household have the solar collectors?

Yes ↻ 18.1		No ↻ 19	
1	<input type="checkbox"/>	2	<input type="checkbox"/>

18.1 Indicate surface occupied by the collector installed in the household, m²

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19. How many passenger cars does your household have?

(If does not have any, write 0, if has – fill in 19.1 table(s))

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19.1 Data on passenger cars (table is filled in for the last 12 months data)

Data on first passenger car (indicate hybrid)

Column N	Fuel used	Fuel consumed by 100 km (liters or m ³)	Average monthly fuel consumption (GEL)	How many months have you used the car during the last 12 months?	Driven kilometers by cars for the last 12 months	Fuel consumed for the last 12 months (liters)
1921	Motor gasoline					
1922	Diesel fuel					
1920	LPG					
1111	CNG					

Data on second passenger car (indicate hybrid)

Column N	Fuel used	Fuel consumed by 100 km (liters or m ³)	Average monthly fuel consumption (GEL)	How many months have you used the car during the last 12 months?	Driven kilometers by cars for the last 12 months	Fuel consumed for the last 12 months (liters)
1921	Motor gasoline					
1922	Diesel fuel					
1920	LPG					
1111	CNG					

Data on second passenger car (indicate hybrid)

Column N	Fuel used	Fuel consumed by 100 km (liters or m ³)	Average monthly fuel consumption (GEL)	How many months have you used the car during the last 12 months?	Driven kilometers by cars for the last 12 months	Fuel consumed for the last 12 months (liters)
1921	Motor gasoline					
1922	Diesel fuel					
1920	LPG					
1111	CNG					

Part II.

DATA RELATED PURCHASING AND CONSUMPTION OF ENERGY FORMS (01.05.2021 - 01.05.2022)

20. Indicate the quantity and the method of obtaining energy forms intended for using by household for space heating, water heating, cooking, cooling, lightning, electric appliances and for other purpose*

Code	Type of energy forms	Purchased		Received as gift, amount (GEL)
		Quantity	Amount (GEL)	
1920	Liquefied petroleum gas (gas cylinder) LPG, kg	/	/	/
1922	Diesel fuel, liter	/	/	/
1610	Briquettes and pellets, kg	/	/	/
1010	Coal, kg	/	/	/
1611	Firewood, m ³	/	/	/
1612	Wood waste, kg	/	/	/
1613	Animal waste, kg	/	/	/
1614	Agricultural waste, kg	/	/	/
2014	Charcoal, kg	/	/	/
1600	Liquid biofuel, kg	/	/	/
1110	Natural gas, m ³	/	/	/
3511	Electricity, kWh	/	/	/
9900	Other (specify please), m ³ /kg/liter -----	/	/	/

* „Other“ implies, for example, swimming pool heating, outdoor lighting, garage, saunas, etc. **Excludes energy forms purchased for economic activity consumption purpose.**

21. Indicate the quantity of obtained energy forms on your own, regardless of their usage, during reference period 01.05.2021 - 01.05.2022 (Indicate all possible answers)

Code	Type of energy forms	Quantity
1611	Firewood, m ³	
1612	Wood waste, kg	
1613	Animal waste, kg	
1614	Agricultural waste, kg	
2014	Charcoal, kg	
9900	Other (specify please), m ³ /kg/liter _____	

22. Indicate annual consumption of energy forms for household needs (heating, water heating, cooking, cooling, lighting, electric appliances or other* purpose) for 01.05.2021-01.05.2022 period (Indicate all possible answers). Excludes energy forms consumed for economic activity purpose.

Code	Type of energy forms	Annual consumption, total	Consumed for: (tick off all your household consumption need)						Tick off if the respondent isn't able to separate energy forms consumed for economic activity purpose
			Home heating	Water heating	Cooking	Cooling	Electric appliances	Other necessities (lightning, etc.)	
1010	Coal, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1110	Natural gas, m ³	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1920	Liquefied petroleum gas (gas cylinder) LPG, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1922	Diesel fuel, liter	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1610	Briquettes and pellets, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1611	Firewood, m ³	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1612	Wood waste, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1613	Animal waste, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1614	Agricultural waste, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2014	Charcoal, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1600	Liquid biofuel, kg	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1601	Biogas, m ³	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3511	Electricity, kWh	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3512	Geothermal, m ³	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9900	Other (specify please), m ³ /kg/ liter _____	/____/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* „Other“ implies, for example, swimming pool heating, outdoor lighting, garage, saunas, etc.

PART III. ECONOMIC ACTIVITY OF HOUSEHOLD

Kind of economic activity	Code	Form of energy	Quantity
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23. Plant growing (greenhouse, etc.)

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	<input type="text"/>
1110	2. Natural gas, m ³	<input type="text"/>
1921	3. Motor gasoline, liter	<input type="text"/>
1922	4. Diesel, liter	<input type="text"/>
3512	5. Geothermal, m ³	<input type="text"/>
1611	6. Firewood, m ³	<input type="text"/>
9900	7. Other _____ (Indicate form and unit)	<input type="text"/>

24. Animal husbandry

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	<input type="text"/>
1110	2. Natural gas, m ³	<input type="text"/>
1921	3. Motor gasoline, liter	<input type="text"/>
1922	4. Diesel, liter	<input type="text"/>
9900	5. Other _____ (Indicate form and unit)	<input type="text"/>

25. Tourism (rent of houses/rooms)

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	<input type="text"/>
1110	2. Natural gas, m ³	<input type="text"/>
1611	3. Firewood, m ³	<input type="text"/>
9900	4. Other _____ (Indicate form and unit)	<input type="text"/>

26. Transportation

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	<input type="text"/>
1111	2. Natural gas, CNG, m ³	<input type="text"/>
1921	3. Motor gasoline, liter	<input type="text"/>
1922	4. Diesel, liter	<input type="text"/>
1920	5. Liquefied gas, LPG, kg	<input type="text"/>
9900	6. Other _____ (Indicate form and unit)	<input type="text"/>

27. Mill, sawmill, oil production

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	_ _ _ _ _ _ _
1110	2. Natural gas, m ³	_ _ _ _ _ _ _
1611	3. Firewood, m ³ მთ, კუბ.მ	_ _ _ _ _ _ _
1921	4. Motor gasoline, liter	_ _ _ _ _ _ _
1922	5. Diesel, liter	_ _ _ _ _ _ _
9900	6. Other _____	_ _ _ _ _ _ _

(Indicate form and unit)

28. Other service activities (tailoring, carpentry, etc.)

Tick off, if household is not engaged in corresponding economic activity

3511	1. Electricity, kWh	_ _ _ _ _ _ _
1921	2. Motor gasoline, liter	_ _ _ _ _ _ _
1922	3. Diesel, liter	_ _ _ _ _ _ _
9900	4. Other _____	_ _ _ _ _ _ _

(Indicate form and unit)

29. Please indicate average monthly income of your household for the last 12 months, GEL

Income implies disposable income of household which includes the total income of household and/or its members. Disposable income does not consist of regular/compulsory taxes, for example, income tax on salary, property tax, compulsory insurance tax, etc. Does not include borrowing or incomes from sale of property.

Refused to answer (tick off)

29.1 Tick off corresponding category if respondent refused to give the exact answer

- 1. 100 GEL and less
- 2. 101-400 GEL
- 3. 401-800 GEL
- 4. 801-1500 GEL
- 5. More than 1500 GEL
- 6. Refused to answer