

**NATIONAL STATISTICS OFFICE OF GEORGIA**

# **ENERGY CONSUMPTION IN GEORGIA**

## **2023**



16.12.2024

**RESULTS OF ENERGY CONSUMPTION SURVEY**  
(2023)

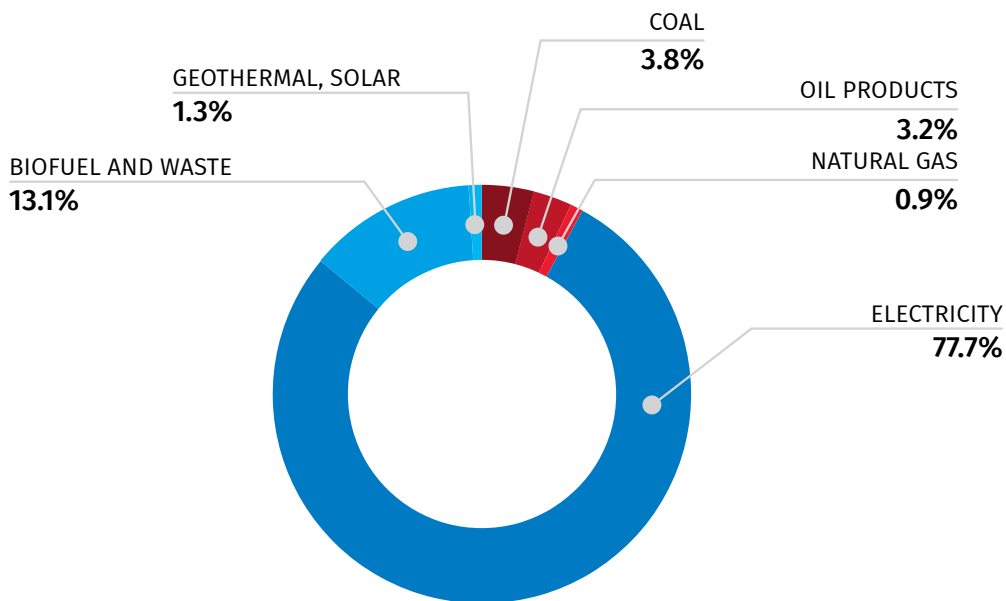
According to the officially declared data, electricity production in Georgia increased by 1.0 percent in 2023 compared to the previous year, amounting to 14 395.8 million kilowatt-hours.

During 2023, 38.9 thousand tonnes of crude oil (6.3 percent more than in 2022), 148.0 thousand tonnes of coal (1.2 percent more than in the previous year), and 16.4 million m<sup>3</sup> of natural gas (12.3 percent more than in the previous year) were extracted.

According to the survey results, firewood production in 2023 increased slightly by 0.1 percent compared to the previous year, amounting to 1 114.5 thousand m<sup>3</sup>.

The chart below illustrates the structure of energy resources produced in Georgia in 2023, calculated in thousand tonnes of oil equivalent. As shown in the chart, electricity accounts for the largest share (77.7 percent) in production structure, followed by energy produced from biofuel and waste (13.1 percent), which is mainly represented by wood, while the remaining energy resources had relatively smaller shares in the structure.

**THE STRUCTURE OF ENERGY PRODUCTION IN 2023**  
(THOUSAND TONNES OF OIL EQUIVALENT)



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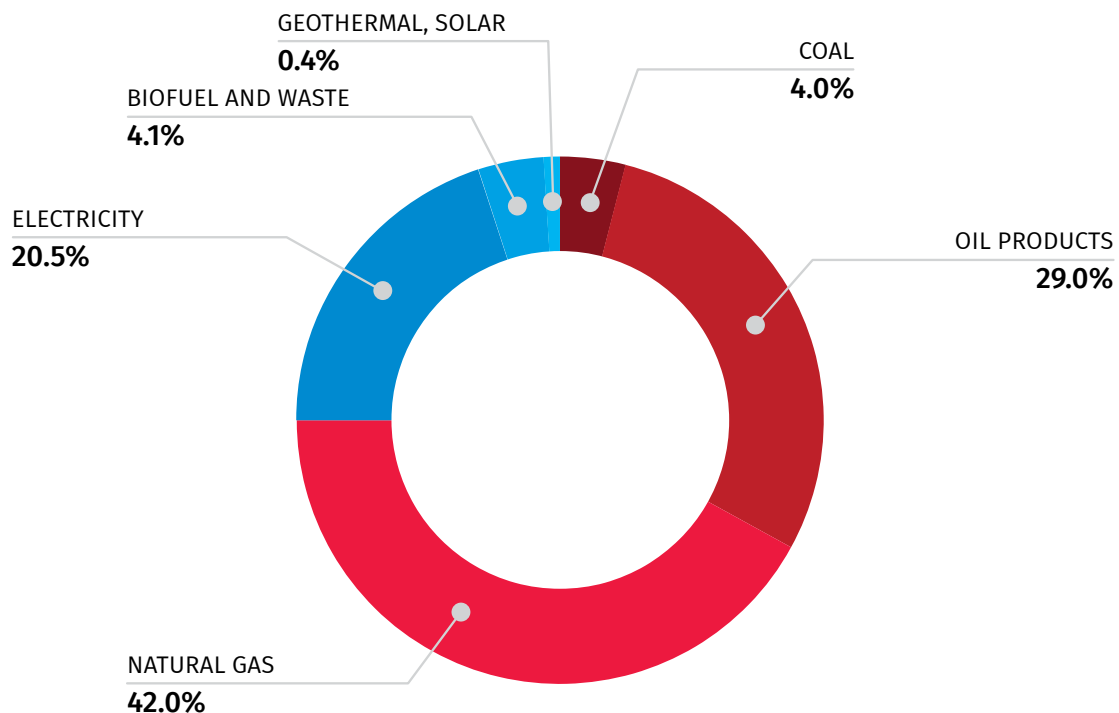
In 2023, Final electricity consumption amounted to 12 268.5 million kilowatt-hours, which is 8.3 percent less than the previous year's figure.

According to 2023 data, the demand for natural gas amounted to 3 368.8 million m<sup>3</sup> (0.2 percent more than in the previous year), while the final consumption of natural gas for the same period totaled to 2 516.3 million m<sup>3</sup>, which is 0.5 percent less than in the previous year. Compared to 2022, consumption of natural gas decreased in road transport and certain industrial subsectors. In the residential sector, the volume of natural gas increased slightly by 0.4 percent.

According to survey results, 1 455.8 thousand tonnes of petroleum products were consumed in the country in 2023, which is 5.8 percent more than in the previous year.

In the structure of energy resource consumption, 42.0 percent is accounted for by natural gas. Petroleum products also represent a relatively high share (29.0 percent), followed by electricity (20.5 percent). Coal constitutes 4.0 percent of the energy consumed during the year, while the remaining 4.5 percent comes from biofuel, geothermal, and solar energy.

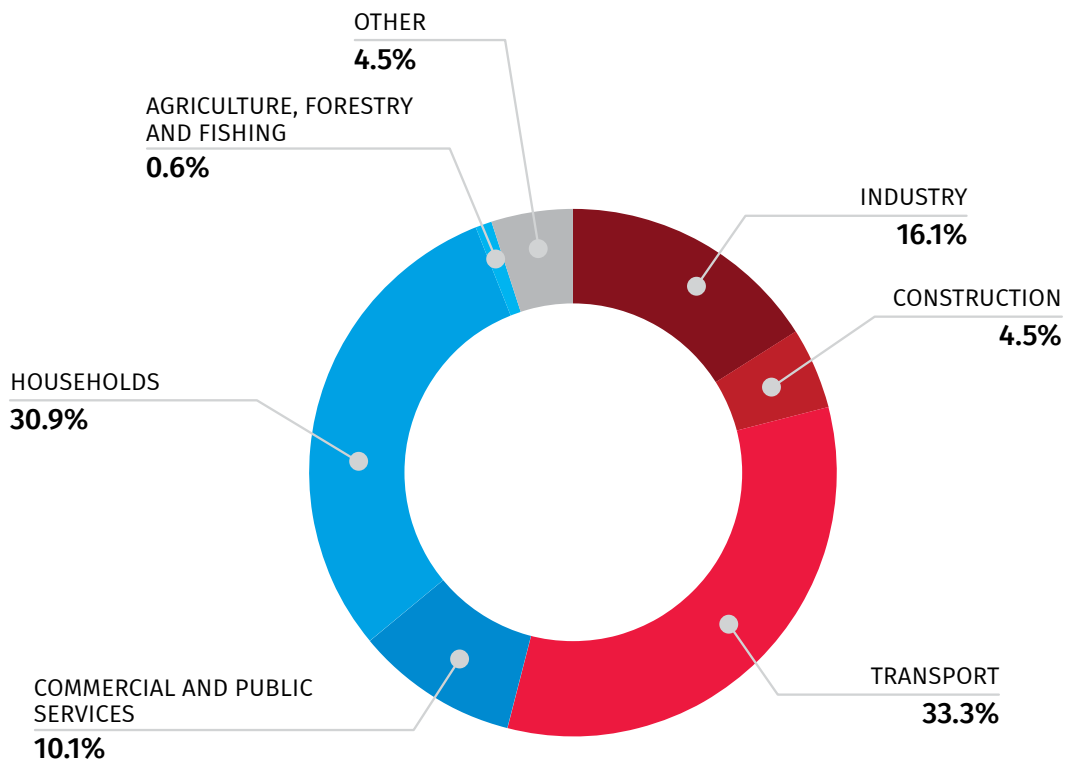
**STRUCTURE OF ENERGY CONSUMPTION IN 2023**  
(THOUSAND TONNES OF OIL EQUIVALENT)



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The sectorial analysis of energy consumption in 2023 shows that the largest consumers of energy resources are the transport and residential sectors, accounting for 33.3 and 30.9 percent of total consumption, respectively. As for the other sectors, 16.1 percent is attributed to industry, 4.5 percent to construction, 0.6 percent to agriculture, forestry and fishing, while the remaining 14.6 percent is consumed by private and public services and other consumers.

**ENERGY CONSUMPTION BY SECTORS, IN 2023**  
(THOUSAND TONNES OF OIL EQUIVALENT)



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### CONSUMPTION OF ENERGY RESOURCES BY SECTORS IN 2017 - 2023 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2017	2018	2019	2020	2021	2022	2023
<b>FINAL CONSUMPTION OF ENERGY RESOURCES, TOTAL</b>	<b>1000 TOE</b>	<b>4 455.2</b>	<b>4 414.1</b>	<b>4 592.0</b>	<b>4 486.9</b>	<b>4 913.1</b>	<b>5 190.8</b>	<b>5 136.0</b>
Industry	1000 TOE	885.1	925.8	887.5	860.4	884.4	938.1	827.4
	Percentage	19.9	21.0	19.3	19.2	18.0	18.1	16.1
Construction	1000 TOE	180.9	185.9	245.5	201.9	193.6	222.6	229.8
	Percentage	4.1	4.2	5.3	4.5	3.9	4.3	4.5
Transport	1000 TOE	1 395.6	1 367.4	1 418.5	1 359.1	1 503.0	1 613.5	1 709.7
	Percentage	31.3	31.0	30.9	30.3	30.6	31.1	33.3
Households	1000 TOE	1 336.3	1 227.3	1 300.7	1 408.2	1 507.7	1 575.6	1 586.1
	Percentage	30.0	27.8	28.3	31.4	30.7	30.4	30.9
Commercial and public services	1000 TOE	453.0	514.9	535.5	412.9	544.5	551.0	520.2
	Percentage	10.1	11.7	11.7	9.2	11.1	10.6	10.1
Agriculture, forestry and fishing	1000 TOE	32.3	27.6	27.2	24.9	25.7	29.6	30.4
	Percentage	0.7	0.6	0.6	0.6	0.5	0.6	0.6
Other	1000 TOE	172.1	165.2	177.1	219.5	254.2	260.4	232.4
		3.9	3.7	3.9	4.8	5.2	5.0	4.5

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### CONSUMPTION OF ENERGY RESOURCES IN 2017 - 2023 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2017	2018	2019	2020	2021	2022	2023
<b>FINAL CONSUMPTION OF ENERGY RESOURCES, TOTAL</b>	<b>1000 TOE</b>	<b>4 455.2</b>	<b>4 414.1</b>	<b>4 592.0</b>	<b>4 486.9</b>	<b>4 913.1</b>	<b>5 190.8</b>	<b>5 136.0</b>
Coal	1000 TOE	276.3	294.0	241.3	213.0	224.2	235.6	207.5
	Percentage	6.2	6.7	5.3	4.7	4.6	4.5	4.0
Oil products	1000 TOE	1 297.2	1 267.4	1 379.3	1 313.3	1 391.1	1 406.3	1 487.7
	Percentage	29.1	28.7	30.0	29.3	28.3	27.1	29.0
Natural gas	1000 TOE	1 535.8	1 536.5	1 669.6	1 728.5	1 916.1	2 170.9	2 158.4
	Percentage	34.5	34.8	36.4	38.5	39.0	41.8	42.0
Electricity	1000 TOE	963.8	1 026.4	1 036.9	987.0	1 128.0	1 150.9	1 054.9
	Percentage	21.6	23.3	22.6	22.0	23.0	22.2	20.5
Geothermal, solar	1000 TOE	18.8	19.1	19.4	17.2	18.4	18.9	19.1
	Percentage	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Biofuel and waste	1000 TOE	363.3	270.8	245.5	227.8	235.3	208.1	208.4
		8.2	6.1	5.3	5.1	4.8	4.0	4.1

**Note:** In certain cases, minor discrepancy between the total and the sum value can be explained by using rounded data.

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