



National Statistics Office of Georgia

**ENERGY CONSUMPTION  
IN GEORGIA**

**2019**

17.12.2020

[www.geostat.ge](http://www.geostat.ge)



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## RESULTS OF ENERGY CONSUMPTION SURVEY (2019)

In 2019 the electricity production in Georgia decreased by 2.3 percent in comparison to the previous year, and amounted 11 856.8 million kilowatt-hours, according to the official declared data. The decline in electricity production has been caused mainly by the dry weather conditions and less water flow.

In 2019 35.1 thousand tonnes of crude oil (16.2 percent more than in 2018), 15.3 thousand tonnes of coal (9 times less than the previous year), and 9.6 million m<sup>3</sup> natural gas have been produced (3.9 percent less than in previous year).

According to the survey results, 1 295.0 thousand m<sup>3</sup> firewood was produced in 2019 (10.1 percent less in comparison to the previous year). It is worth mentioning that 0.3 thousand tonnes of biodiesel were produced in 2019.

In 2019 12 059.3 million kWh electricity was consumed (which exceeds by 1.0 percent the correspondent indicator of 2018).

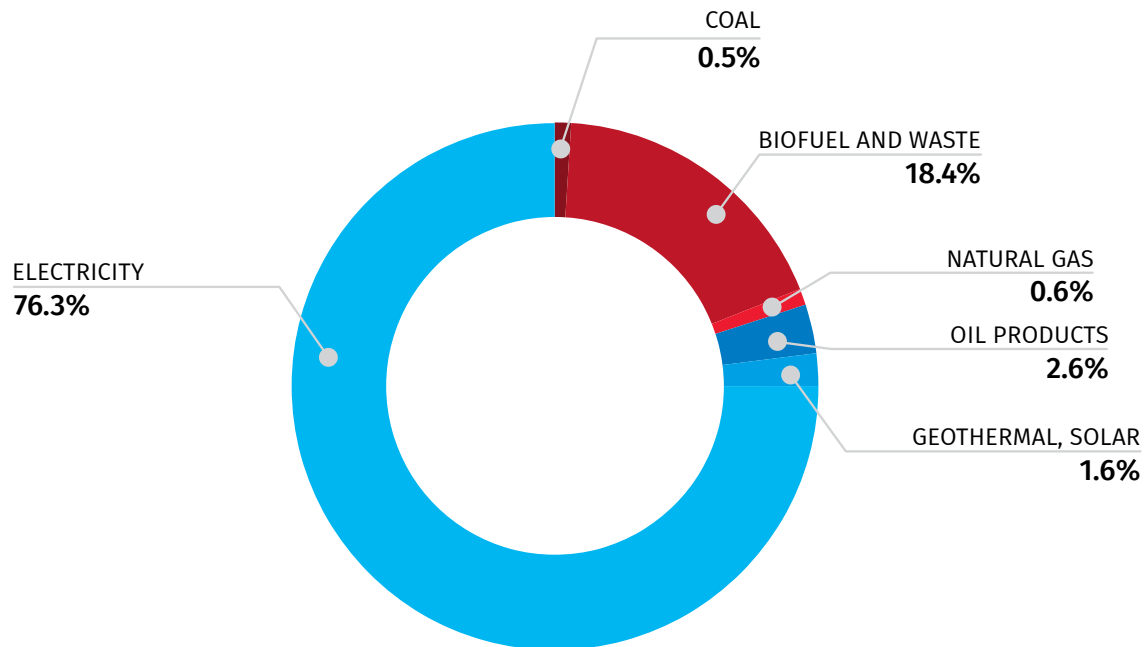
According to 2019 data, demand on natural gas amounted 2 695.4 million m<sup>3</sup> (13.9 percent more than in previous year), demand mainly has increased in thermal power plants, households and other specific sectors. In 2019 final consumption of natural gas was 1 942.0 million m<sup>3</sup> (9.2 percent more than in previous year). In comparison to the 2018, consumption of natural gas has increased in household sector (15.5 percent more). Respectively with demand, consumption of the natural gas has increased in the following sectors: chemical industry, construction, commercial and public services, and agriculture. It should be mentioned that consumption of the natural gas by road transport has decreased to some extent in the reason of price growth, and increasing competitiveness of the LPG. It should be taken into account that increased amount of imported hybrid and electric cars causes decrease in natural gas consumption by cars.

According to the survey results, in 2019 1 355.9 thousand tonnes of oil products were consumed in the country (9.3 percent more than in previous year).

The charts below show the structure of energy production and consumption in Georgia, during 2019, calculated in thousand tonnes of oil equivalent. As the first chart shows, the electricity production has the largest share (76.3 percent), followed by energy produced from biofuel and waste (18.4 percent), which is mainly represented by wood, while other energy forms have low share:

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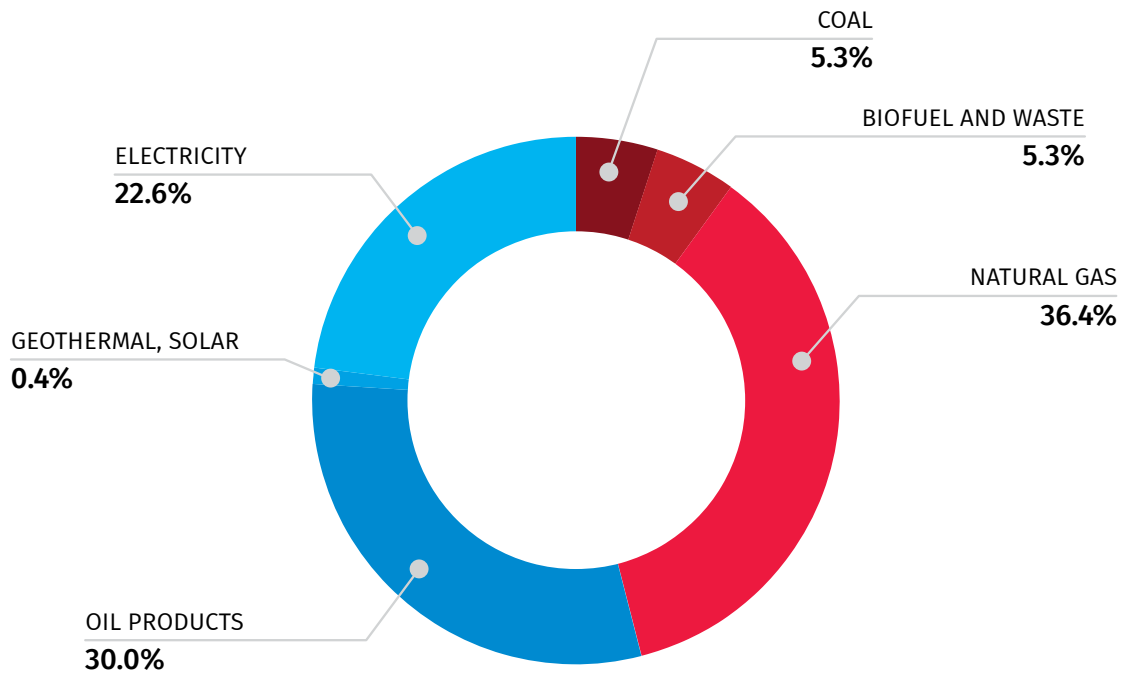
THE STRUCTURE OF ENERGY PRODUCTION IN 2019  
(THOUSAND TONNES OF OIL EQUIVALENT)



Within the total energy consumption structure 36.4 percent share comes on natural gas. Oil products (30.0 percent) and electricity (22.6 percent) are also characterized with a relatively high share. During 2019 5.3 percent share of consumed energy comes on the biofuel and waste, while the remaining 5.7 percent share has coal and geothermal energy.

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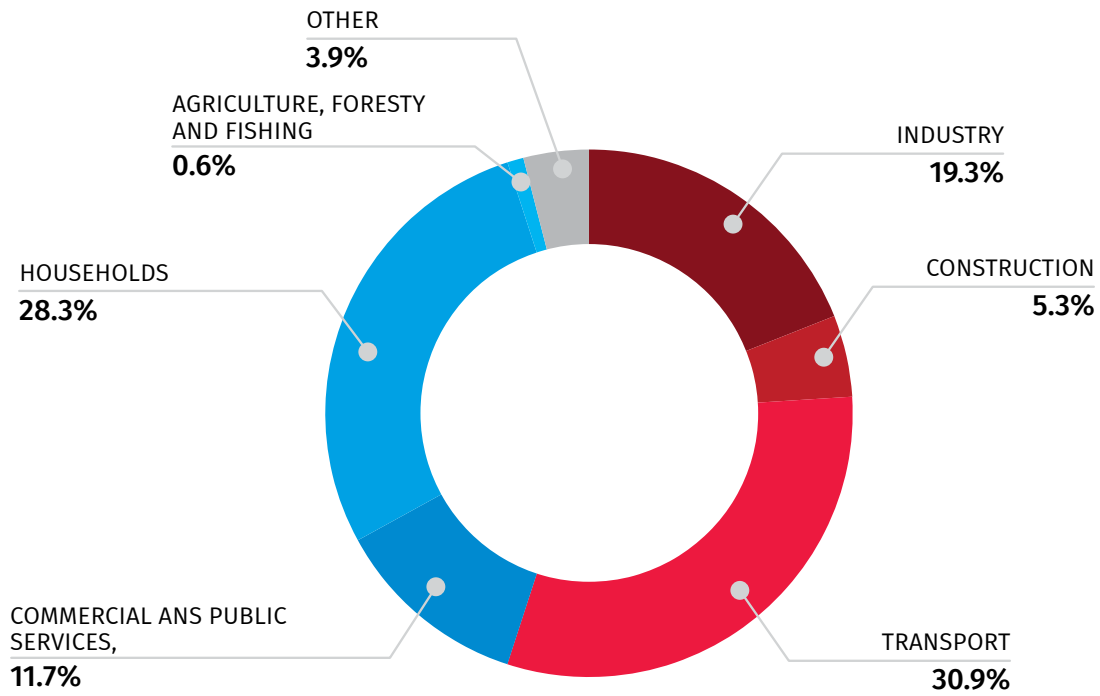
**STRUCTURE OF ENERGY CONSUMPTION IN 2019**  
(THOUSAND TONNES OF OIL EQUIVALENT)



The sectoral analysis of the energy consumption shows that the largest consumer of the energy is transport sector, with 30.9 percent share of total consumption in 2019, 28.3 percent comes on households, 19.3 percent - on industry, 5.3 percent - on construction, 0.6 percent – on agriculture, forestry and fishing, while remaining 15.6 percent is distributed on commercial and public service and other consumers:

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**ENERGY CONSUMPTION BY SECTORS IN 2019**  
(THOUSAND TONNES OF OIL EQUIVALENT)



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### THE FINAL CONSUMPTION OF ENERGY RESOURCES BY SECTORS IN 2013 - 2019 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2013	2014	2015	2016	2017	2018	2019
<b>FINAL CONSUMPTION OF ENERGY RESOURCES</b>	1000 TOE	<b>3 736.4</b>	<b>3 999.3</b>	<b>4 168.8</b>	<b>4 396.1</b>	<b>4 455.2</b>	<b>4 414.1</b>	<b>4 592.0</b>
Industry	1000 TOE	805.5	804.7	843.8	789.5	885.1	925.8	887.5
	Percentage	21.5	20.1	20.2	18.0	19.9	21.0	19.3
Construction	1000 TOE	141.0	163.8	159.2	171.5	180.9	185.9	245.5
	Percentage	3.8	4.1	3.8	3.9	4.1	4.2	5.3
Transport	1000 TOE	1 127.7	1 266.9	1 388.5	1 539.0	1 395.6	1 367.4	1 418.5
	Percentage	30.2	31.7	33.3	35.0	31.3	31.0	30.9
Households	1000 TOE	1 159.3	1 182.3	1 200.8	1 265.6	1 336.3	1 227.3	1 300.7
	Percentage	31.0	29.6	28.8	28.8	30.0	27.8	28.3
Commercial and public services	1000 TOE	351.1	428.6	402.9	433.3	453.0	514.9	535.5
	Percentage	9.4	10.7	9.7	9.8	10.1	11.7	11.7
Agriculture, forestry and fishing	1000 TOE	13.7	12.1	18.7	31.4	32.3	27.6	27.2
	Percentage	0.4	0.3	0.4	0.7	0.7	0.6	0.6
Other	1000 TOE	138.0	140.9	154.9	165.7	172.1	165.2	177.1
	Percentage	3.7	3.5	3.8	3.8	3.9	3.7	3.9

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### CONSUMPTION OF ENERGY RESOURCES IN 2013- 2019 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2013	2014	2015	2016	2017	2018	2019
<b>ENERGY RESOURCES, TOTAL</b>	1000 TOE	<b>3 736.4</b>	<b>3 999.3</b>	<b>4 168.8</b>	<b>4 396.1</b>	<b>4 455.2</b>	<b>4 414.1</b>	<b>4 592.0</b>
Coal	1000 TOE	315.1	290.4	271.4	250.1	276.3	294.0	241.3
	Percentage	8.4	7.3	6.5	5.7	6.2	6.7	5.3
Oil products	1000 TOE	990.3	1 050.3	1 200.5	1 432.7	1 297.2	1 267.4	1 379.3
	Percentage	26.5	26.3	28.8	32.6	29.1	28.7	30.0
Natural gas	1000 TOE	1 156.0	1 337.3	1 430.4	1 406.6	1 535.8	1 536.5	1 669.6
	Percentage	30.9	33.4	34.3	32.0	34.5	34.8	36.4
Electricity	1000 TOE	780.3	841.4	851.8	901.7	963.8	1 026.4	1 036.9
	Percentage	20.9	21.0	20.4	20.5	21.6	23.3	22.6
Geothermal, solar	1000 TOE	13.5	14.9	16.5	18.4	18.8	19.1	19.4
	Percentage	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Biofuel and waste	1000 TOE	481.1	465.0	398.2	386.6	363.3	270.8	245.5
	Percentage	12.9	11.6	9.6	8.8	8.2	6.1	5.3

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

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