



National Statistics Office of Georgia

ENERGY CONSUMPTION IN GEORGIA 2020

17.12.2021

www.geostat.ge



17.12.2021

RESULTS OF ENERGY CONSUMPTION SURVEY
(2020)

In 2020 the electricity production in Georgia decreased by 5.9 percent in comparison to the previous year, and amounted 11 159.8 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 2020 31.3 thousand tonnes of crude oil (10.8 percent more than in 2019), 99.3 thousand tonnes of coal (6.5 times more than in the previous year), and 8.9 million m³ natural gas have been produced (7.3 percent less than in previous year).

According to the survey results, in 2020, compared to the previous year, firewood production decreased by 6.4 percent and amounted to 1 212.0 thousand m³. Production of other biofuels and wastes also decreased in the same period.

Final electricity consumption in 2020 was 11 479.3 million kilowatt-hours, down 4.8 percent from the previous year.

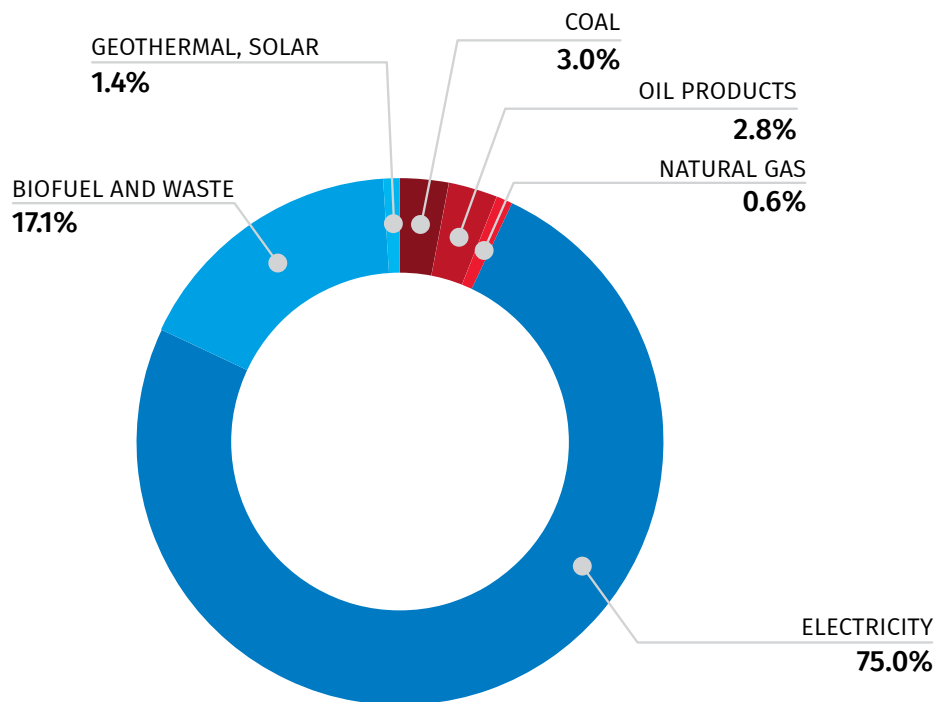
According to 2020 data, demand on natural gas amounted 2 699.7 million m³ (0.2 percent more than in the previous year). In 2020 final consumption of natural gas was 2 006.5 million m³ (3.3 percent more than in the previous year). In comparison to the 2019, consumption of natural gas has increased in household sector (13.5 percent more). Respectively with demand, consumption of the natural gas has also increased in the following sectors: food industry, construction 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 hybrid and electric cars causes decrease in natural gas consumption by cars.

According to the survey results, in 2020 1 287.9 thousand tonnes of oil products were consumed in the country, which is 5.0 percent less than in the previous year. One of the main reason of reducing energy consumption in 2020 is the restrictions due to the Covid-19 pandemic.

17.12.2021

The charts below show the structure of energy production in Georgia, during 2020, calculated in thousand tonnes of oil equivalent. As the first chart shows, the electricity production has the largest share (75.0 percent), followed by energy produced from biofuel and waste (17.1 percent), which is mainly represented by wood, while other energy forms have low share:

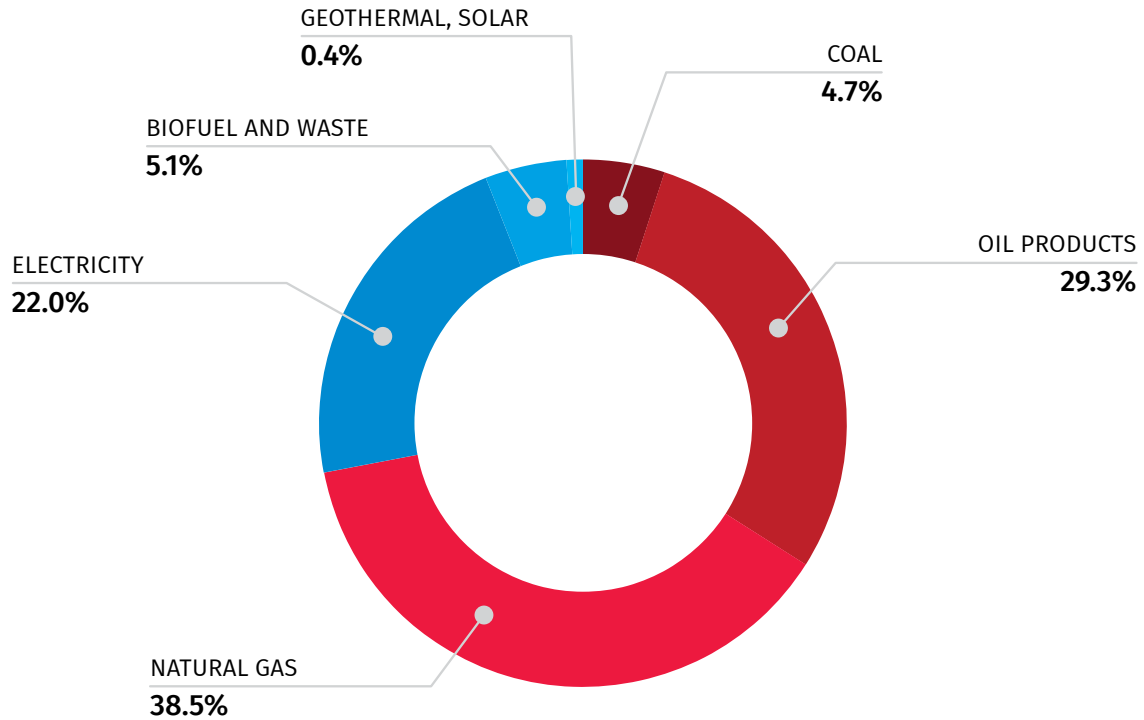
THE STRUCTURE OF ENERGY PRODUCTION IN 2020
(THOUSAND TONNES OF OIL EQUIVALENT)



Within the total energy consumption structure 38.5 percent share comes on natural gas. Oil products (29.3 percent) and electricity (22.0 percent) are also characterized with a relatively high share. During the year, 5.1 percent share of consumed energy comes on the biofuel and waste, while the remaining 5.1 percent share has coal and geothermal energy.

17.12.2021

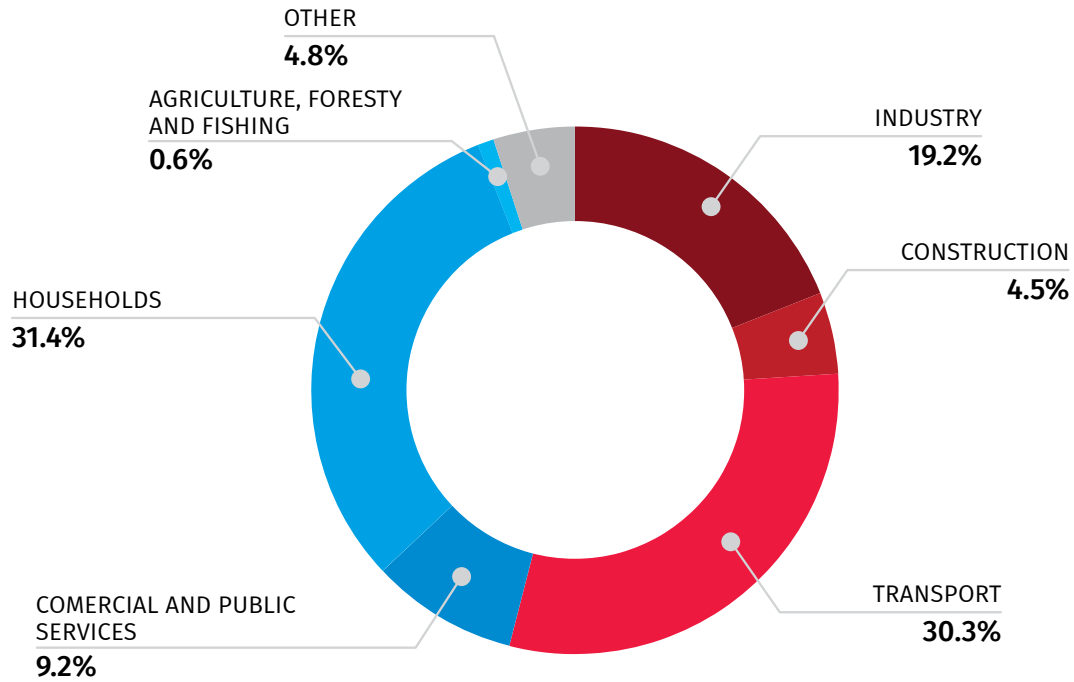
STRUCTURE OF ENERGY CONSUMPTION IN 2020
(THOUSAND TONNES OF OIL EQUIVALENT)



The sectoral analysis of energy consumption in 2020 shows that the largest consumer of energy resources is the household sector, which accounts for 31.4 percent of total consumption. As for other sectors, 30.3 percent comes from transport, 19.2 percent from industry, 4.5 percent from construction, 0.6 percent from agriculture, forestry and fishing, and the remaining 14.0 percent from private and public services and other consumers.

17.12.2021

ENERGY CONSUMPTION BY SECTORS IN 2020
(THOUSAND TONNES OF OIL EQUIVALENT)



17.12.2021

THE FINAL CONSUMPTION OF ENERGY RESOURCES BY SECTORS IN 2013 -2020
(THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2013	2014	2015	2016	2017	2018	2019	2020
FINAL CONSUMPTION OF ENERGY RESOURCES	1000 TOE	3 736.4	3 999.3	4 168.8	4 396.1	4 455.2	4 414.1	4 592.0	4 486.9
Industry	1000 TOE	805.5	804.7	843.8	789.5	885.1	925.8	887.5	860.4
	Percentage	21.5	20.1	20.2	18.0	19.9	21.0	19.3	19.2
Construction	1000 TOE	141.0	163.8	159.2	171.5	180.9	185.9	245.5	201.9
	Percentage	3.8	4.1	3.8	3.9	4.1	4.2	5.3	4.5
Transport	1000 TOE	1 127.7	1 266.9	1 388.5	1 539.0	1 395.6	1 367.4	1 418.5	1 359.1
	Percentage	30.2	31.7	33.3	35.0	31.3	31.0	30.9	30.3
Households	1000 TOE	1 159.3	1 182.3	1 200.8	1 265.6	1 336.3	1 227.3	1 300.7	1408.2
	Percentage	31.0	29.6	28.8	28.8	30.0	27.8	28.3	31.4
Commercial and public services	1000 TOE	351.1	428.6	402.9	433.3	453.0	514.9	535.5	412.9
	Percentage	9.4	10.7	9.7	9.8	10.1	11.7	11.7	9.2
Agriculture, forestry and fishing	1000 TOE	13.7	12.1	18.7	31.4	32.3	27.6	27.2	24.9
	Percentage	0.4	0.3	0.4	0.7	0.7	0.6	0.6	0.6
Other	1000 TOE	138.0	140.9	154.9	165.7	172.1	165.2	177.1	219.5
	Percentage	3.7	3.5	3.8	3.8	3.9	3.7	3.9	4.8

17.12.2021

CONSUMPTION OF ENERGY RESOURCES IN 2013- 2020 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2013	2014	2015	2016	2017	2018	2019	2020
ENERGY RESOURCES, TOTAL	1000 TOE	3 736.4	3 999.3	4 168.8	4 396.1	4 455.2	4 414.1	4 592.0	4 486.9
Coal	1000 TOE	315.1	290.4	271.4	250.1	276.3	294.0	241.3	213.0
	Percentage	8.4	7.3	6.5	5.7	6.2	6.7	5.3	4.7
Oil products	1000 TOE	990.3	1 050.3	1 200.5	1 432.7	1 297.2	1 267.4	1 379.3	1 313.3
	Percentage	26.5	26.3	28.8	32.6	29.1	28.7	30.0	29.3
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	1 728.5
	Percentage	30.9	33.4	34.3	32.0	34.5	34.8	36.4	38.5
Electricity	1000 TOE	780.3	841.4	851.8	901.7	963.8	1 026.4	1 036.9	987.0
	Percentage	20.9	21.0	20.4	20.5	21.6	23.3	22.6	22.0
Geothermal, solar	1000 TOE	13.5	14.9	16.5	18.4	18.8	19.1	19.4	17.2
	Percentage	0.4	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	227.8
	Percentage	12.9	11.6	9.6	8.8	8.2	6.1	5.3	5.1

Note:

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

National Statistics Office of Georgia

CONTACT PERSONS:

Aleksandre Arabuli, Tel: 2 36 72 10 (200), E-mail: aarabuli@geostat.ge

Mariam Kavelashvili, Tel: 2 36 72 10 (020), E-mail: mkavelashvili@geostat.ge