



National Statistics Office of Georgia

RESULTS OF ENERGY CONSUMPTION SURVEY 2018



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**RESULTS OF ENERGY CONSUMPTION SURVEY
(2018)**

In 2018 according to the official declared data the electricity production in Georgia increased by 5.4 percent in comparison to the previous year and it amounted 12 148.6 million kilowatt-hours. The growth rate of electricity has been caused mainly by more water flow, as well as the connection of 2 seasonal and 7 small power plants in the system.

In 2018, 30.2 thousand tonnes of crude oil (5.6 percent less than in 2017), 137.9 thousand tonnes of coal (48.6 percent less than in previous year) and 10.2 million m³ natural gas (in comparison to the previous year 20.0 percent more) has been produced.

According to the survey results, 1 440.1 thousand m³ firewood was produced in 2018 (25.7 percent less in comparison to the previous year).

In 2018, 11 937.3 million kWh electricity was consumed (which exceeds the relevant indicator in 2017). The increase of electricity consumption is mainly influenced by expansion of production volume, as well as it is in line to the increase of energy demand in the service sector and households.

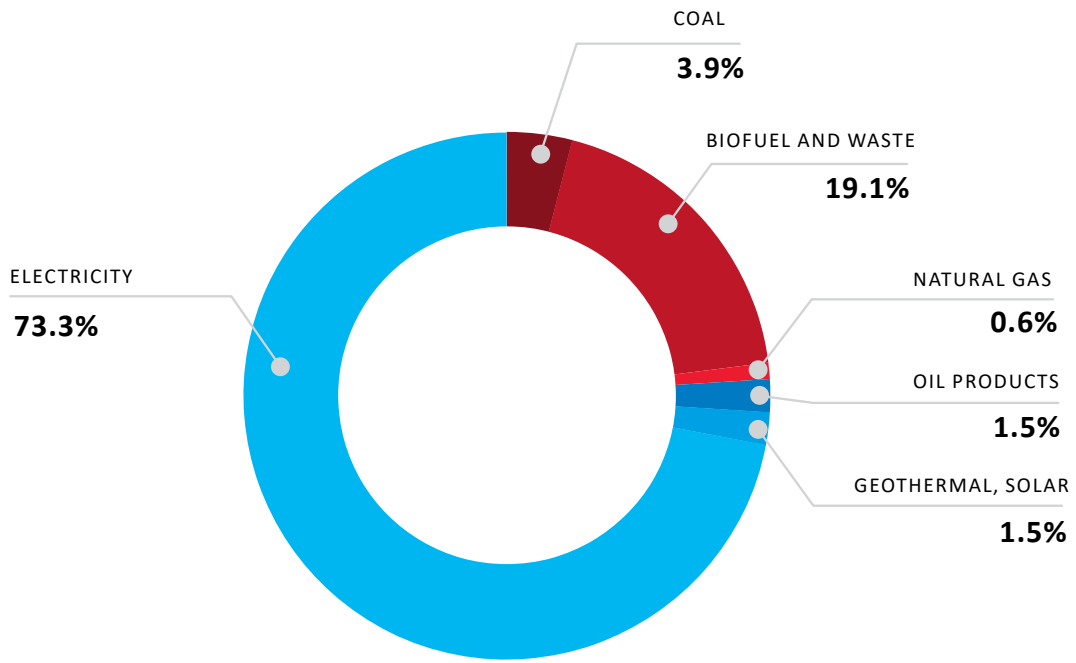
According to 2018 data, demand on natural gas made up 2 408.3 million m³ (1.3 percent lower than in previous year) while 1 809.2 million m³ natural gas was used during the year (0.8 percent lower than in previous year). Consumption of natural gas decrease in household sector (3.7 percent less in comparison to 2017 year). Consumption reduction was mostly caused by warm winter's season. According to demand, consumption of natural gas was decreased in industry and road transport sectors.

According to the survey results, 1 240.0 thousand tonnes of oil products were consumed in the country (2.3 percent less than in previous year) in 2018, which could be caused by the increase of price on relevant products.

The charts below show the structure of energy production and consumption in Georgia during 2018, calculated in thousand tonnes of oil equivalent. As first chart shows, the electricity production has the largest share (73.3 percent), followed by energy produced from biofuel and waste (19.1 percent), which is mainly represented by wood, while other energy forms have low share:

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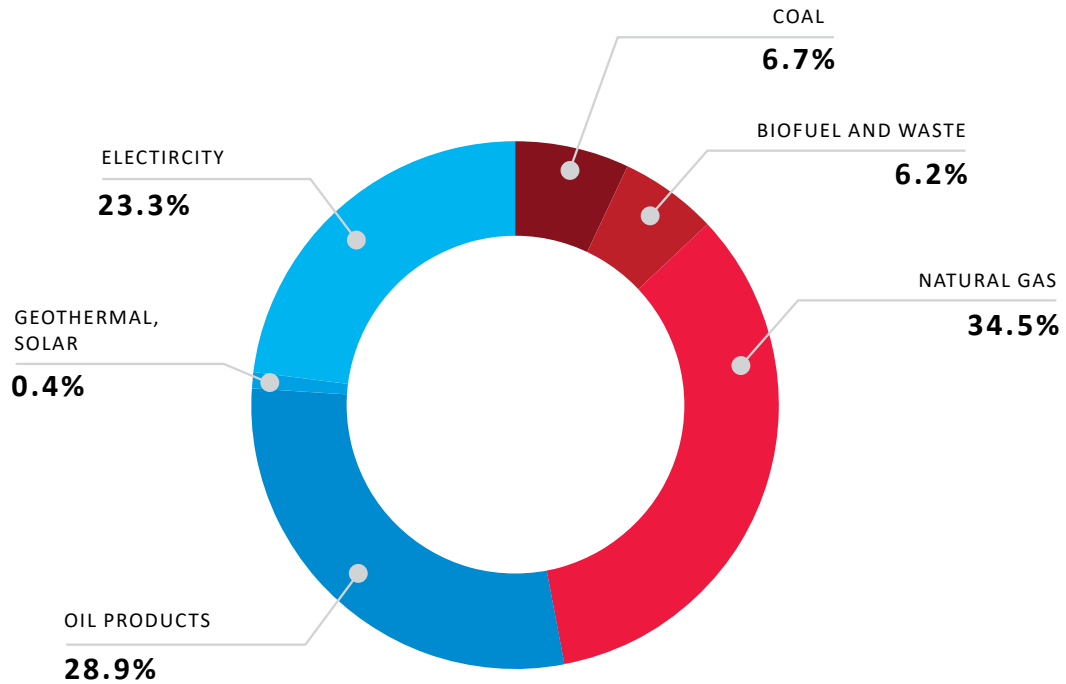
THE STRUCTURE OF ENERGY PRODUCTS IN 2018



Within the total energy consumption structure 34.5 percent comes from natural gas. Oil products (28.9 percent) and electricity (23.3 percent) are also characterized with a relatively high share. During 2018 year 6.2 percent of consumed energy in line to the biofuel and waste, while the 7.1 percent of remaining is coal and geothermal.

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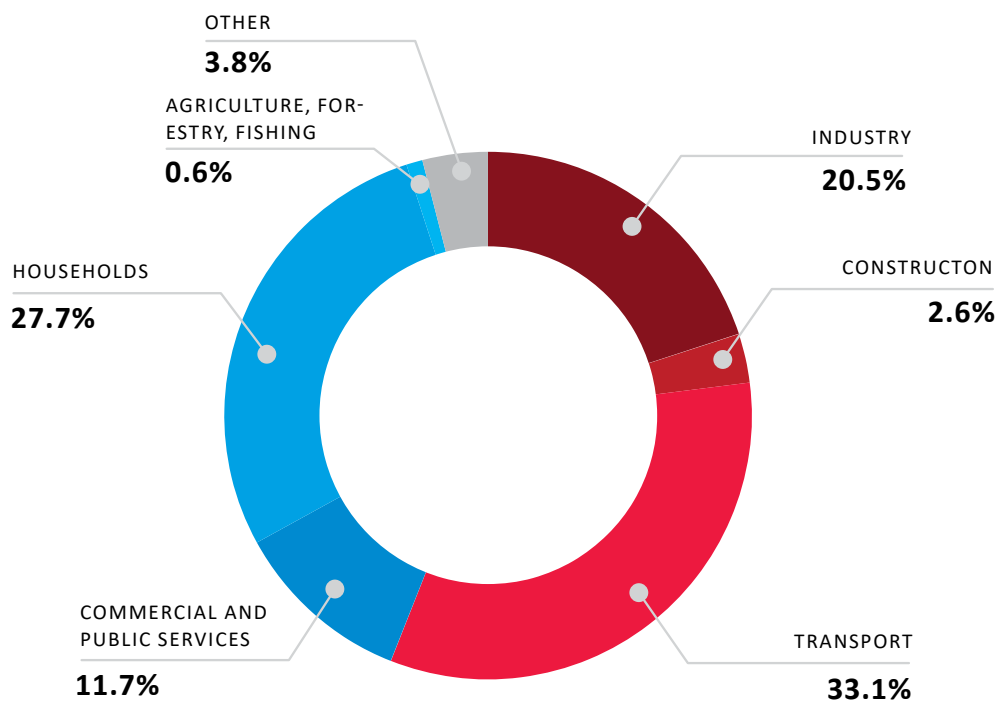
STRUCTURE OF ENERGY CONSUMPTION IN 2018



Energy consumption sectorial analysis shows that the largest consumer of the energy is transport sector, with 33.1 percent of total consumption in 2018. 27.7 percent comes from households, 20.5 percent - from industry, 2.6 percent - from construction, 0.6 percent – from agriculture, forestry and fishing, while remaining 15.5 percent is commercial and public services:

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ENERGY CONSUMPTION BY SECTORS IN 2018



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THE FINAL CONSUMPTION OF ENERGY RESOURCES BY SECTORS IN 2014-2018 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2014	2015	2016	2017	2018
FINAL CONSUMPTION OF ENERGY RESOURCES	1000 TOE	4022.6	4184.6	4410.4	4444.2	4390.1
Industry	1000 TOE	796.2	830.6	776.0	864.5	899.6
	Percentage	19.8	19.8	17.6	19.5	20.5
Construction	1000 TOE	111.2	94.5	111.6	119.0	113.5
	Percentage	2.8	2.3	2.5	2.7	2.6
Transport	1000 TOE	1339.5	1474.2	1618.5	1473.6	1456.1
	Percentage	33.3	35.2	36.7	33.2	33.1
Households	1000 TOE	1190.9	1207.2	1272.3	1330.9	1216.0
	Percentage	29.6	28.8	28.8	29.9	27.7
Commercial and public services	1000 TOE	431.8	404.5	434.8	451.8	512.2
	Percentage	10.7	9.7	9.9	10.2	11.7
Agriculture, forestry and fishing	1000 TOE	12.1	18.7	31.5	32.3	27.5
	Percentage	0.3	0.5	0.7	0.7	0.6
Other	1000 TOE	140.9	154.9	165.7	172.1	165.2
	Percentage	3.5	3.7	3.8	3.8	3.8

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CONSUMPTION OF ENERGY RESOURCES IN 2014 - 2018 (THOUSAND TONNES OF OIL EQUIVALENT)

	UNIT	2014	2015	2016	2017	2018
FINAL CONSUMPTION OF ENERGY RESOURCES	1000 TOE	4022.6	4184.6	4410.4	4444.2	4390.1
Coal	1000 TOE	290.4	271.4	250.1	276.3	294.0
	Percentage	7.2	6.5	5.7	6.2	6.7
Oil products	1000 TOE	1050.3	1200.4	1432.6	1297.2	1267.4
	Percentage	26.1	28.7	32.4	29.2	28.9
Natural gas	1000 TOE	1360.6	1446.2	1420.9	1524.8	1512.4
	Percentage	33.8	34.6	32.2	34.3	34.5
Electricity	1000 TOE	841.4	851.8	901.7	963.8	1026.4
	Percentage	20.9	20.4	20.4	21.7	23.3
Geothermal, sun	1000 TOE	14.9	16.5	18.4	18.8	19.1
	Percentage	0.4	0.4	0.4	0.4	0.4
Biofuel and waste	1000 TOE	465.0	398.3	386.7	363.4	270.8
	Percentage	11.6	9.5	8.9	8.2	6.2

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

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