

## PRODUCTION AND DELIVERIES OF ENERGY PRODUCTS, NOVEMBER 2023

In November 2023, compared to the previous month, for the production of energy products, an increase is observed only in electricity - by 11.6%. The largest decrease is registered in liquefied petroleum gases - by 42.9%.

For the deliveries of energy products, the largest increase is observed in natural gas - by 36.1%. The largest decrease is registered in liquefied petroleum gases - by 18.6%.

### Production of energy products

In November 2023, compared to October 2023, an increase is reported for the production of electricity - by 11.6% to 3 111 GWh.

A decrease is reported for the production of:

- liquefied petroleum gases - by 42.9% to 4 thousand tonnes;
- motor gasoline - by 10.7% to 151 thousand tonnes;
- solid fuels - by 10.6% to 1 758 thousand tonnes;
- transport diesel - by 7.1% to 260 thousand tonnes.

There is no change for the production of natural gas (Annex, Table 1).

Compared to the same month of the previous year, a decrease is reported for the production of:

- liquefied petroleum gases - by 50.0%;
- solid fuels - by 43.3%;
- electricity - by 25.8%;
- transport diesel - by 15.9%;
- motor gasoline - by 6.2%.

There is no change for the production of natural gas.

### Deliveries of energy products

In November 2023, compared to October 2023, an increase is reported for the deliveries of:

- natural gas - by 36.1% to 260 million m<sup>3</sup>;
- electricity - by 18.7% to 2 874 GWh;
- motor gasoline - by 6.5% to 49 thousand tonnes;
- transport diesel - by 3.9% to 238 thousand tonnes.

A decrease is reported for the deliveries of:

- liquefied petroleum gases - by 18.6% to 35 thousand tonnes;
- solid fuels - by 4.6% to 1 930 thousand tonnes (Annex, Table 2).

Compared to the same month of 2022, an increase is reported for the deliveries of:

- motor gasoline - by 28.9%;
- natural gas - by 17.1%;
- transport diesel - by 16.1%;



- electricity - by 3.0%.

A decrease is reported for the deliveries of:

- solid fuels - by 37.6%;
- liquefied petroleum gases - by 14.6%.

## Methodological notes

The survey on energy products is conducted every month in accordance with Regulation (EC) No. 1099/2008 of the European Parliament and of the Council of 22 October 2008 on energy statistics and its amendments. The survey aims to submit information on the production and inland deliveries of the main energy products - electricity, solid fuels, natural gas and petroleum products. The reporting units are producers, importers and exporters of energy products. Production and deliveries of energy products are the main observed indicators.

Data series can be found on the NSI website: [www.nsi.bg](http://www.nsi.bg), section Energy/Data.

### Solid fuels

*Production* - includes Hard coal, Lignite and Solid fuels from coal. Producers report quantities calculated after any operation for the removal of inert matter.

*Deliveries* - quantities delivered to the internal market. They are equal to the total of the deliveries to the different types of consumers: producers' own use, main activity power stations, coking plants and patent fuel plants, industry, iron and steel industry and others.

*Since 1.01.2017, Brown coal briquettes have been excluded from the monthly survey.*

### Petroleum products

*Production* - includes production of finished products at a refinery or blending plant.

*Deliveries* - wholesale deliveries to the domestic market of finished petroleum products from producers and importers/exporters.

Deliveries of petroleum products are defined as: primary product receipts + gross refinery output + recycled products – refinery fuel + imports – exports – international marine bunkers + interproduct transfers – products transferred – stock changes.

The production and deliveries of motor gasoline and transport diesel include the quantity of biofuel, mixed with the mineral fuel.

### Natural gas

*Production* - includes all dry marketable production within national boundaries, including offshore production. Production is measured after purification and extraction of NGLs and sulfur. Excludes extraction losses and quantities reinjected, vented or flared. Includes quantities used within the natural gas industry; in gas extraction, pipeline systems and processing plants.

*Deliveries* - total natural gas, distributed for the internal market, including own use and losses.

Data are presented in million cubic meters assuming reference gas conditions 15°C and 101.325 kPa. To convert quantities from cubic meters at 20°C to cubic meters at 15°C - according to the reporting requirements of Regulation (EC) No. 1099/2008 of the European Parliament and the Council on Energy Statistics, we use a conversion factor of 0.98294.

### Electricity

*Production* - includes produced electricity from Thermal power plants, Nuclear power plants, Hydropower plants, Pumped storage plants and electricity, obtained from wind generators and solar panels.

*Deliveries/Total net consumption* - the sum of the net produced electricity and net import, reduced by the amount used for pumped storage.



Annex

Table 1

Production of energy products

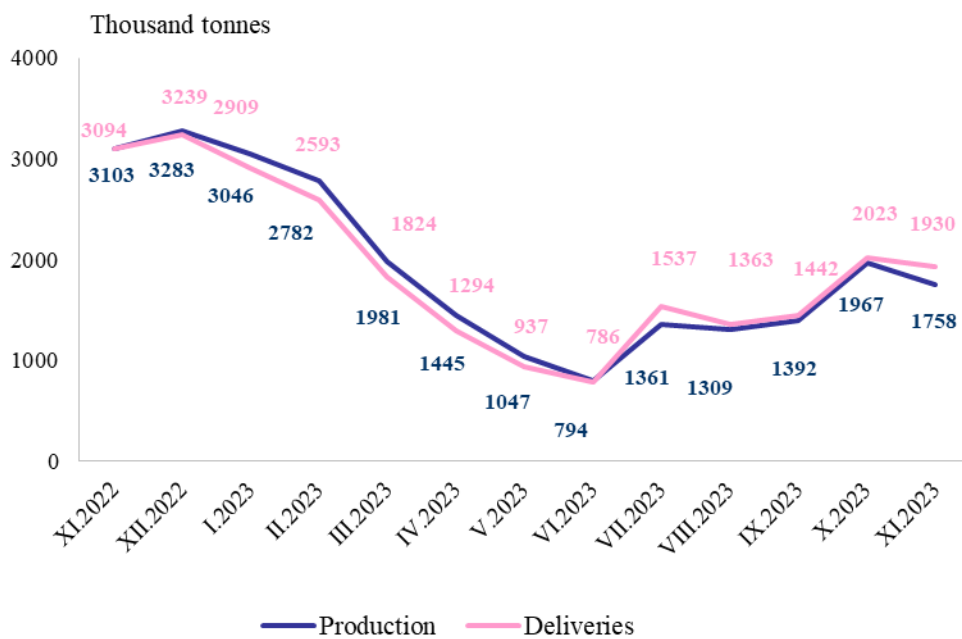
	Measure	2022		2023											Change in November 2023 (%)	
		XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	3103	3283	3046	2782	1981	1445	1047	794	1361	1309	1392	1967	1758	-10.6	-43.3
Total petroleum products	thousand tonnes	667	516	646	470	424	337	535	543	666	691	617	648	567	-12.5	-15.0
of which:																
Liquefied petroleum gases	thousand tonnes	8	6	7	5	5	3	6	8	6	8	8	7	4	-42.9	-50.0
Motor gasoline	thousand tonnes	161	156	165	116	110	45	149	134	169	171	150	169	151	-10.7	-6.2
Transport diesel	thousand tonnes	309	246	318	227	191	176	249	268	295	289	260	280	260	-7.1	-15.9
Natural gas	million m <sup>3</sup>	1	1	1	1	1	1	1	1	1	1	1	1	1	0.0	0.0
Electricity	GWh	4195	4383	4440	4114	3705	3063	2518	2963	3355	3269	3149	2787	3111	11.6	-25.8

Table 2

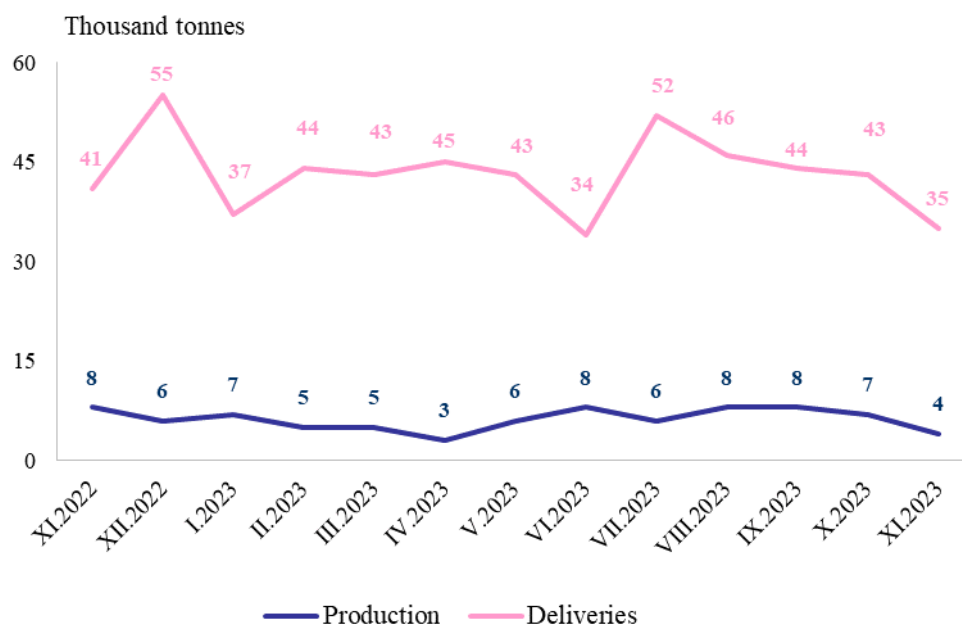
Deliveries of energy products

	Measure	2022		2023											Change in November 2023 (%)	
		XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	3094	3239	2909	2593	1824	1294	937	786	1537	1363	1442	2023	1930	-4.6	-37.6
Total petroleum products	thousand tonnes	366	413	322	347	318	314	370	388	477	466	397	402	389	-3.2	6.3
of which:																
Liquefied petroleum gases	thousand tonnes	41	55	37	44	43	45	43	34	52	46	44	43	35	-18.6	-14.6
Motor gasoline	thousand tonnes	38	44	10	39	34	30	46	45	69	79	52	46	49	6.5	28.9
Transport diesel	thousand tonnes	205	238	222	199	164	167	208	227	265	258	218	229	238	3.9	16.1
Natural gas	million m <sup>3</sup>	222	280	260	258	259	212	150	145	179	167	179	191	260	36.1	17.1
Electricity	GWh	2790	3267	3364	3183	3040	2704	2473	2300	2657	2604	2306	2421	2874	18.7	3.0

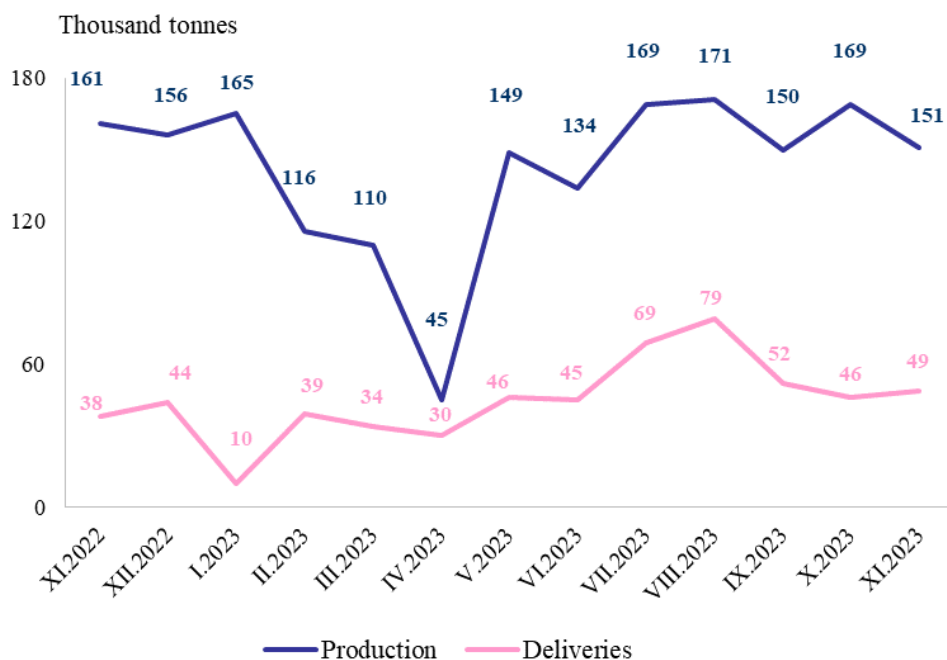
**Figure 1. Production and deliveries of solid fuels**



**Figure 2. Production and deliveries of liquefied petroleum gases**



**Figure 3. Production and deliveries of motor gasoline**



**Figure 4. Production and deliveries of transport diesel**

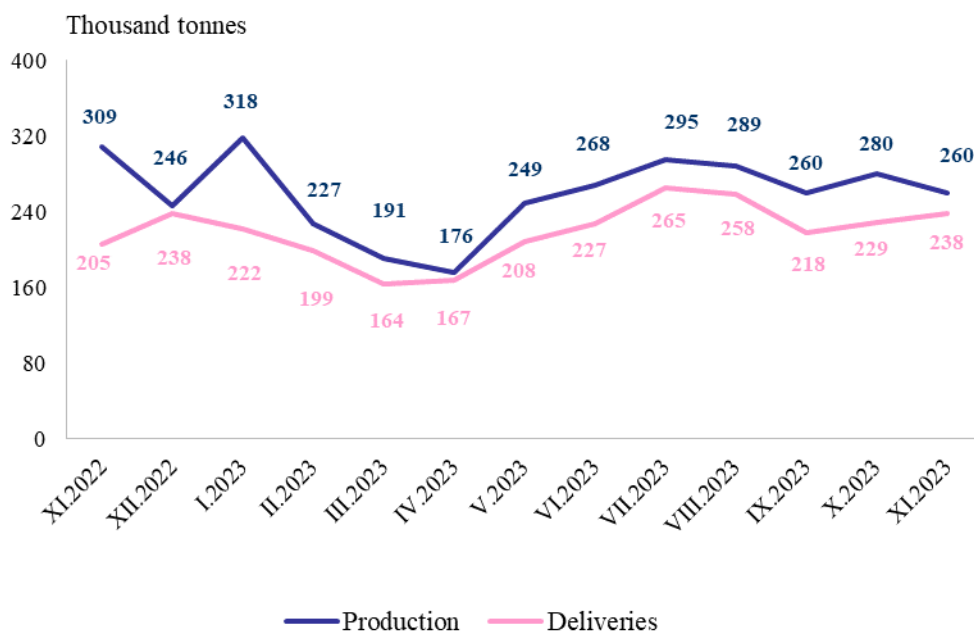


Figure 5. Production and deliveries of natural gas

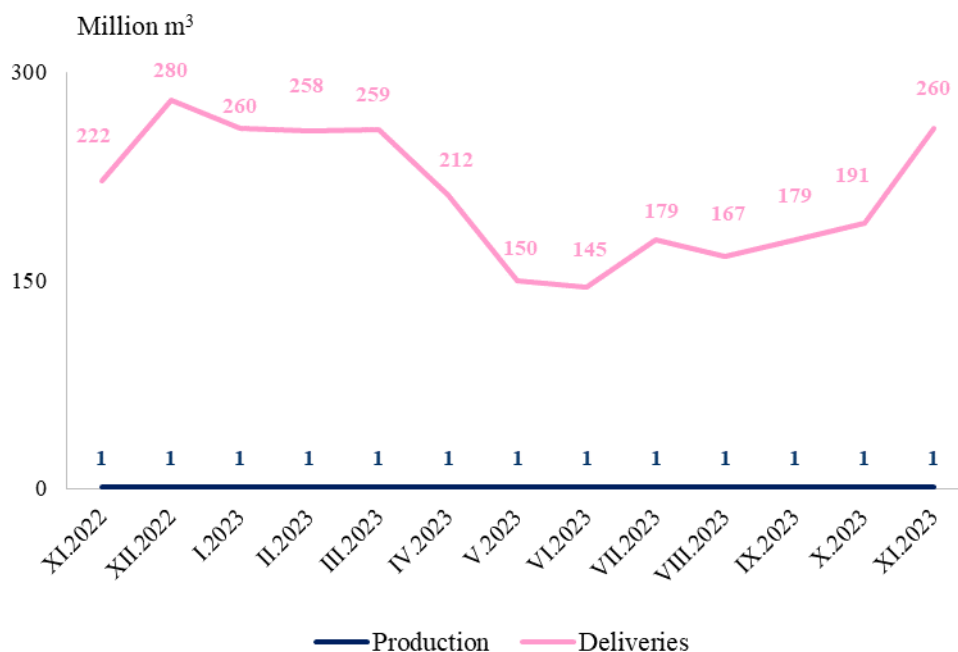


Figure 6. Production and deliveries of electricity

