

## PRODUCTION AND DELIVERIES OF ENERGY PRODUCTS, OCTOBER 2023

In October 2023, compared to the previous month, for the production of energy products, the largest increase is observed in solid fuels - by 41.3%. The largest decrease is registered in liquefied petroleum gases - by 12.5%.

For the deliveries of energy products, the largest increase is observed in solid fuels - by 40.3%. The largest decrease is registered in motor gasoline - by 11.5%.

### Production of energy products

In October 2023, compared to September 2023, an increase is reported for the production of:

- solid fuels - by 41.3% to 1 967 thousand tonnes;
- motor gasoline - by 12.7% to 169 thousand tonnes;
- transport diesel - by 7.7% to 280 thousand tonnes.

A decrease is reported for the production of:

- liquefied petroleum gases - by 12.5% to 7 thousand tonnes;
- electricity - by 11.5% to 2 787 GWh.

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:

- solid fuels - by 30.7%;
- transport diesel - by 15.2%;
- electricity - by 12.9%;
- liquefied petroleum gases - by 12.5%;
- motor gasoline - by 8.6%.

There is no change for the production of natural gas.

### Deliveries of energy products

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

- solid fuels - by 40.3% to 2 023 thousand tonnes;
- natural gas - by 6.7% to 191 million m<sup>3</sup>;
- transport diesel - by 5.0% to 229 thousand tonnes;
- electricity - by 5.0% to 2 421 GWh.

A decrease is reported for the deliveries of:

- motor gasoline - by 11.5% to 46 thousand tonnes;
- liquefied petroleum gases - by 2.3% to 43 thousand tonnes (Annex, Table 2).

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

- natural gas - by 34.5%;
- motor gasoline - by 9.5%;
- transport diesel - by 5.0%.



A decrease is reported for the deliveries of:

- solid fuels - by 27.7%;
- liquefied petroleum gases - by 6.5%;
- electricity - by 2.7%.

## 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.

### 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

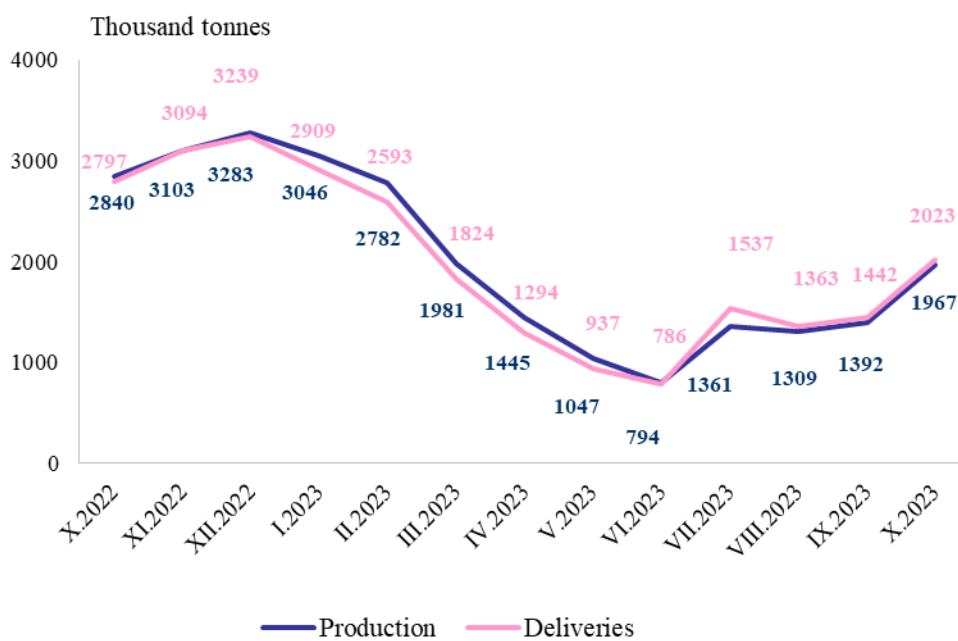
	Measure	2022			2023										Change in October 2023 (%)	
		X	XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	2840	3103	3283	3046	2782	1981	1445	1047	794	1361	1309	1392	1967	41.3	-30.7
Total petroleum products	thousand tonnes	708	667	516	646	470	424	337	535	543	666	691	617	648	5.0	-8.5
of which:																
Liquefied petroleum gases	thousand tonnes	8	8	6	7	5	5	3	6	8	6	8	8	7	-12.5	-12.5
Motor gasoline	thousand tonnes	185	161	156	165	116	110	45	149	134	169	171	150	169	12.7	-8.6
Transport diesel	thousand tonnes	330	309	246	318	227	191	176	249	268	295	289	260	280	7.7	-15.2
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	3200	4195	4383	4440	4114	3705	3063	2518	2963	3355	3269	3149	2787	-11.5	-12.9

Table 2

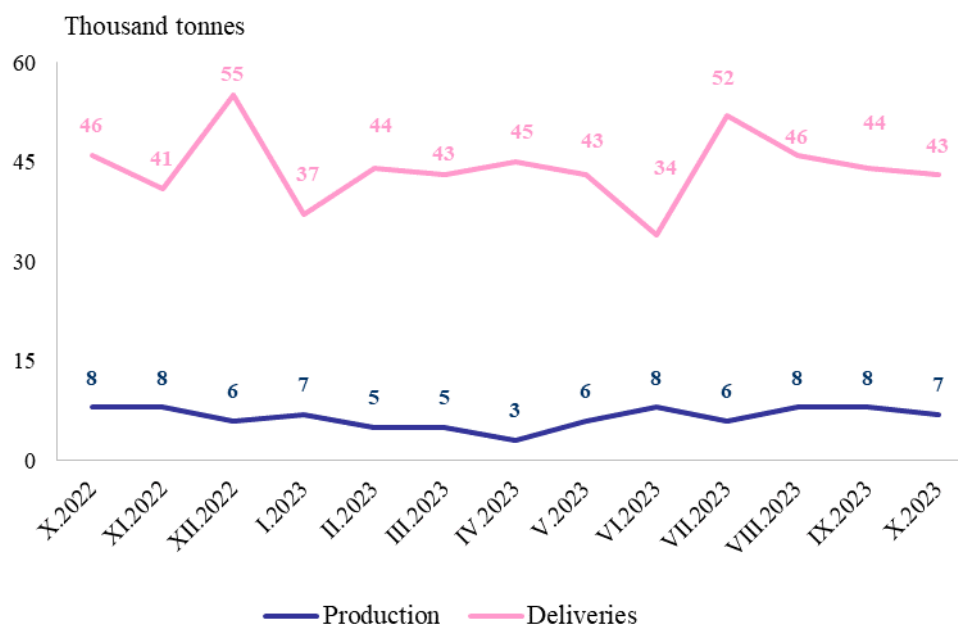
Deliveries of energy products

	Measure	2022			2023										Change in October 2023 (%)	
		X	XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	2797	3094	3239	2909	2593	1824	1294	937	786	1537	1363	1442	2023	40.3	-27.7
Total petroleum products	thousand tonnes	388	366	413	322	347	318	314	370	388	477	466	397	402	1.3	3.6
of which:																
Liquefied petroleum gases	thousand tonnes	46	41	55	37	44	43	45	43	34	52	46	44	43	-2.3	-6.5
Motor gasoline	thousand tonnes	42	38	44	10	39	34	30	46	45	69	79	52	46	-11.5	9.5
Transport diesel	thousand tonnes	218	205	238	222	199	164	167	208	227	265	258	218	229	5.0	5.0
Natural gas	million m <sup>3</sup>	142	222	280	260	258	259	212	150	145	179	167	179	191	6.7	34.5
Electricity	GWh	2488	2790	3267	3364	3183	3040	2704	2473	2300	2657	2604	2306	2421	5.0	-2.7

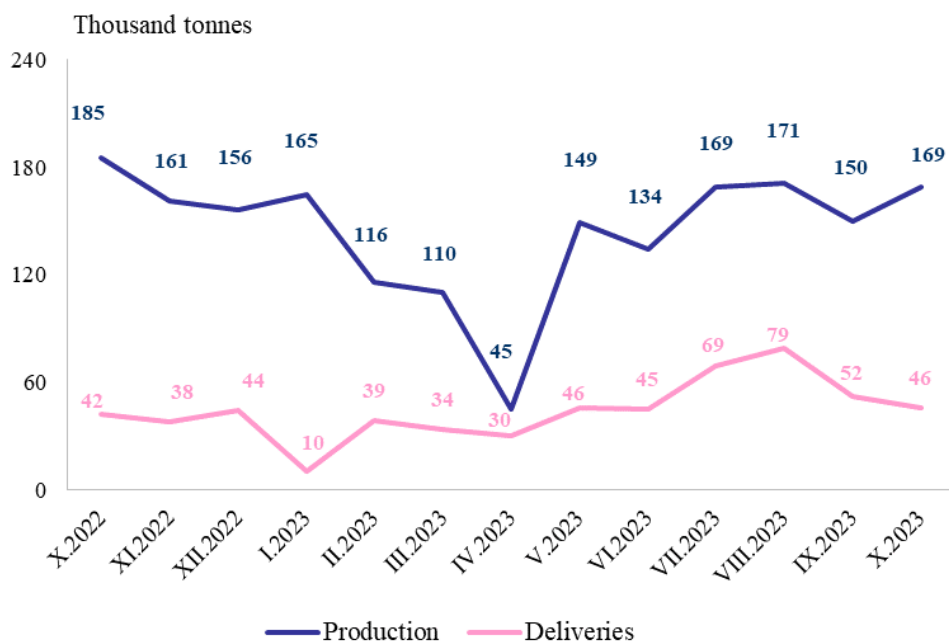
**Figure 1. Production and deliveries of solid fuels**



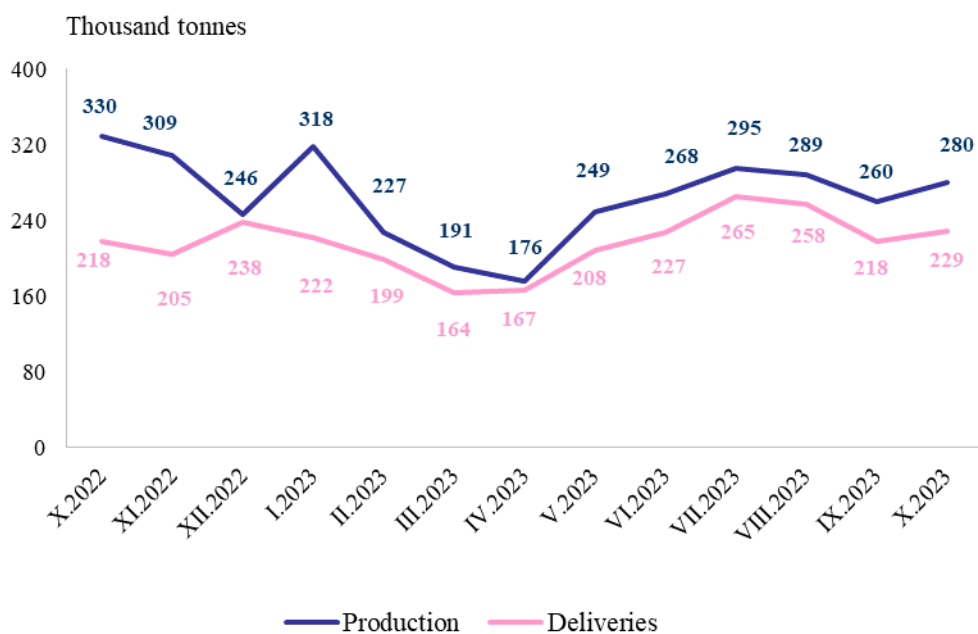
**Figure 2. Production and deliveries of liquefied petroleum gases**



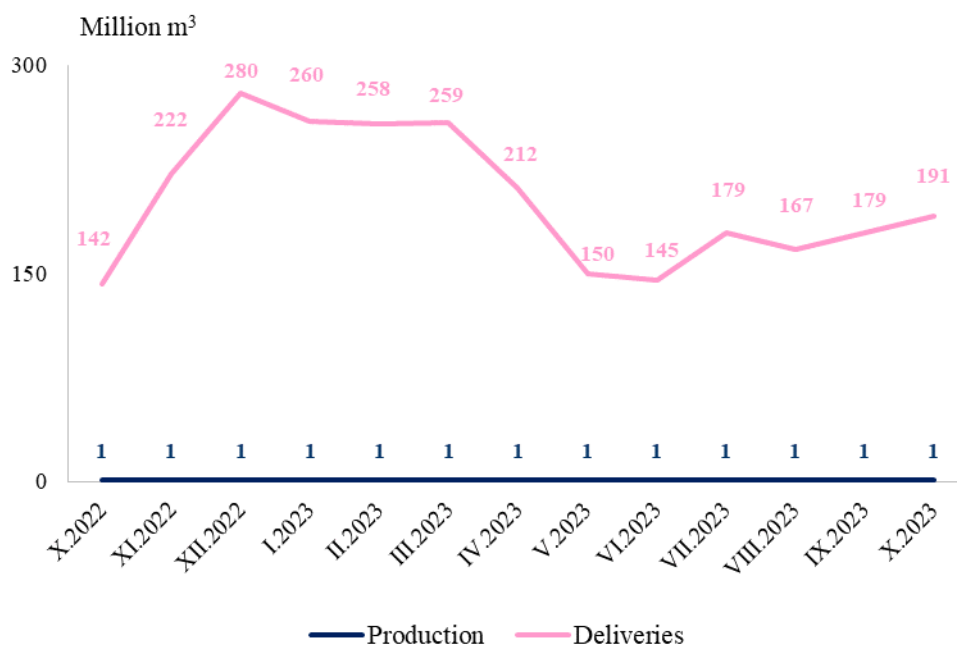
**Figure 3. Production and deliveries of motor gasoline**



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



**Figure 5. Production and deliveries of natural gas**



**Figure 6. Production and deliveries of electricity**

