

PRODUCTION AND DELIVERIES OF ENERGY PRODUCTS, JANUARY 2023

In January 2023, compared to the previous month, for the production of energy products, the largest increase was observed in transport diesel - by 29.3%, and a decrease was registered only in solid fuels - by 7.2%.

In January 2023, compared to the previous month, for the deliveries of energy products, an increase was observed only in electricity - by 3.0%, and the largest decrease was registered in unleaded motor gasoline - by 77.3%.

Production of energy products

In January 2023, compared to December 2022, an increase is reported for the production of:

- transport diesel - by 29.3% to 318 thousand tonnes;
- liquefied petroleum gases - by 16.7% to 7 thousand tonnes;
- unleaded motor gasoline - by 5.8% to 165 thousand tonnes;
- electricity - by 1.3% to 4 440 GWh.

A decrease is reported for the production of solid fuels - by 7.2% to 3 046 thousand tonnes.

No change for the production of natural gas (Annex, Table 1).

In January 2023, compared to the same month of the previous year, an increase is reported for the production of:

- liquefied petroleum gases - by 75.0%;
- transport diesel - by 23.3%;
- unleaded motor gasoline - by 13.0%.

A decrease is reported for the production of:

- natural gas - by 50.0%;
- solid fuels - by 15.7%;
- electricity - by 14.1%.

Deliveries of energy products

In January 2023, compared to December 2022, an increase is reported for the deliveries of electricity - by 3.0% to 3 364 GWh.

A decrease is reported for the deliveries of:

- unleaded motor gasoline - by 77.3% to 10 thousand tonnes, due to a doubled amount of exports in January;
- liquefied petroleum gases - by 32.7% to 37 thousand tonnes;
- solid fuels - by 10.1% to 2 911 thousand tonnes;
- natural gas - by 7.1% to 260 million m³;
- transport diesel - by 6.7% to 222 thousand tonnes (Annex, Table 2).



In January 2023, compared to the same month of the previous year, an increase is reported for the deliveries of:

- transport diesel - by 23.3%;
- liquefied petroleum gases - by 15.6%.

A decrease is reported for the deliveries of:

- unleaded motor gasoline - by 75.6%;
- natural gas - by 32.8%;
- solid fuels - by 20.7%;
- electricity - by 5.8%.

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, 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 January 2023 (%)	
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	I	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	3613	3298	3584	2587	2790	2377	2760	2456	2883	2840	3103	3283	3046	-7.2	-15.7
Total petroleum products	thousand tonnes	566	488	641	539	669	664	695	693	624	708	667	516	646	25.2	14.1
of which:																
Liquefied petroleum gases	thousand tonnes	4	3	7	7	9	9	10	11	8	8	8	6	7	16.7	75.0
Unleaded motor gasoline	thousand tonnes	146	123	162	138	160	157	162	161	100	185	161	156	165	5.8	13.0
Transport diesel	thousand tonnes	258	227	293	237	297	304	325	325	278	330	309	246	318	29.3	23.3
Natural gas	million m ³	2	2	2	2	2	2	1	1	1	1	1	1	1	0.0	-50.0
Electricity	GWh	5168	4486	5144	4119	3624	4031	4202	4125	3708	3200	4195	4383	4440	1.3	-14.1

Table 2

Deliveries of energy products

	Measure	2022												2023	Change in January 2023 (%)	
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	I	On a monthly basis	On an annual basis
Solid fuels	thousand tonnes	3671	3364	3648	2632	2836	2417	2761	2444	2863	2797	3094	3239	2911	-10.1	-20.7
Total petroleum products	thousand tonnes	325	300	436	339	359	394	387	426	383	388	366	413	322	-22.0	-0.9
of which:																
Liquefied petroleum gases	thousand tonnes	32	29	32	34	34	33	39	45	42	46	41	55	37	-32.7	15.6
Unleaded motor gasoline	thousand tonnes	41	34	53	31	44	58	36	46	52	42	38	44	10	-77.3	-75.6
Transport diesel	thousand tonnes	180	177	261	192	200	211	209	242	200	218	205	238	222	-6.7	23.3
Natural gas	million m ³	387	318	350	202	200	180	189	136	139	142	222	280	260	-7.1	-32.8
Electricity	GWh	3570	3033	3402	2634	2457	2413	2614	2574	2336	2488	2790	3267	3364	3.0	-5.8

Figure 1. Production and deliveries of solid fuels

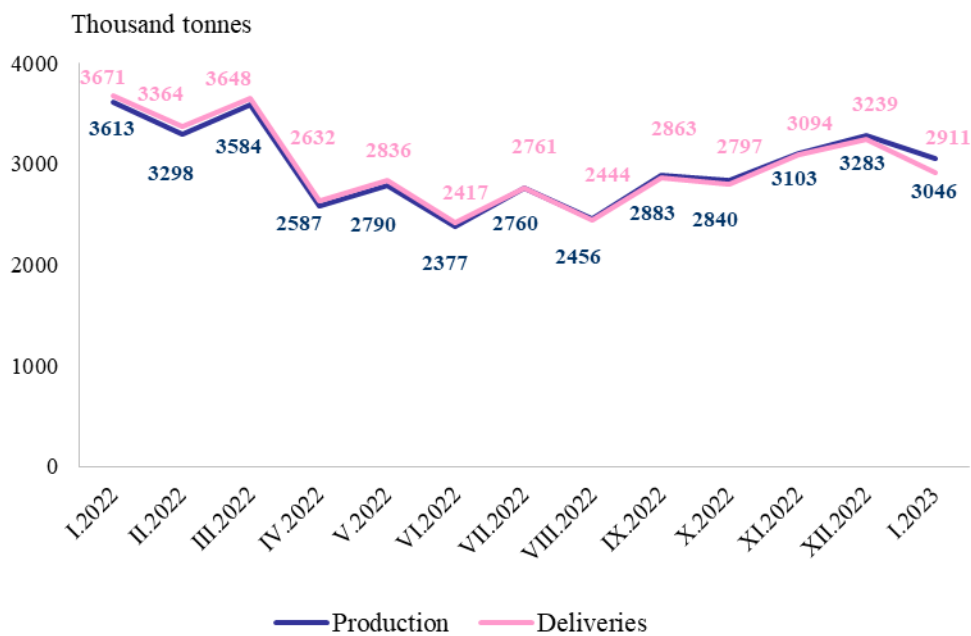


Figure 2. Production and deliveries of liquefied petroleum gases

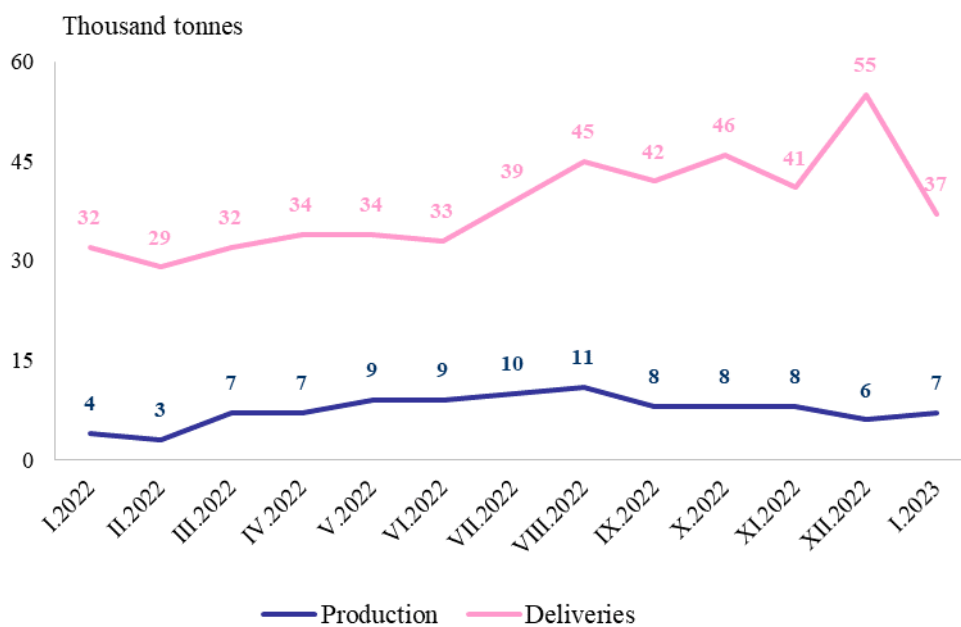


Figure 3. Production and deliveries of unleaded motor gasoline

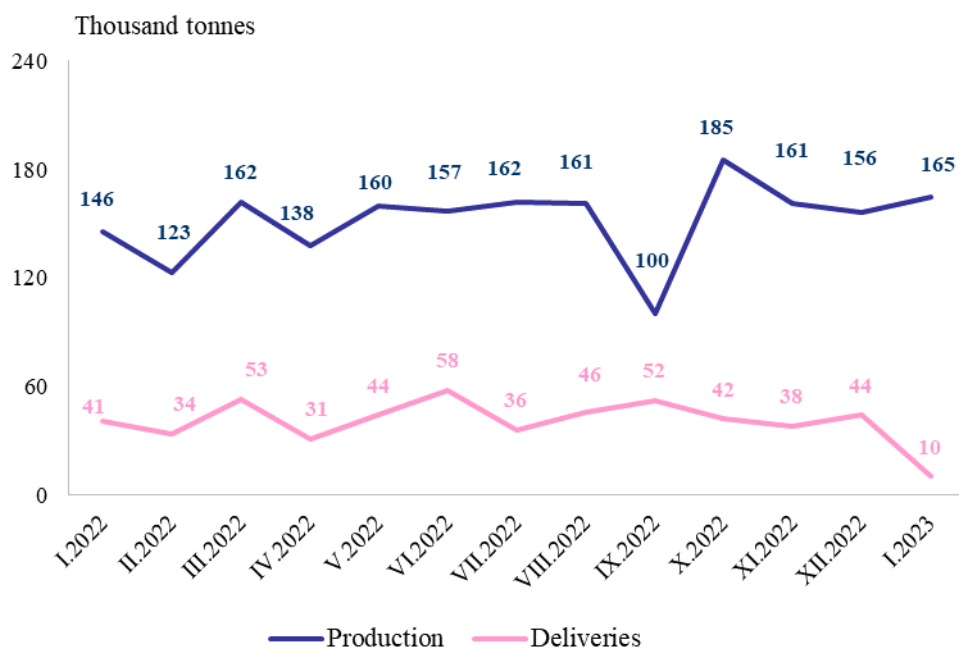


Figure 4. Production and deliveries of transport diesel

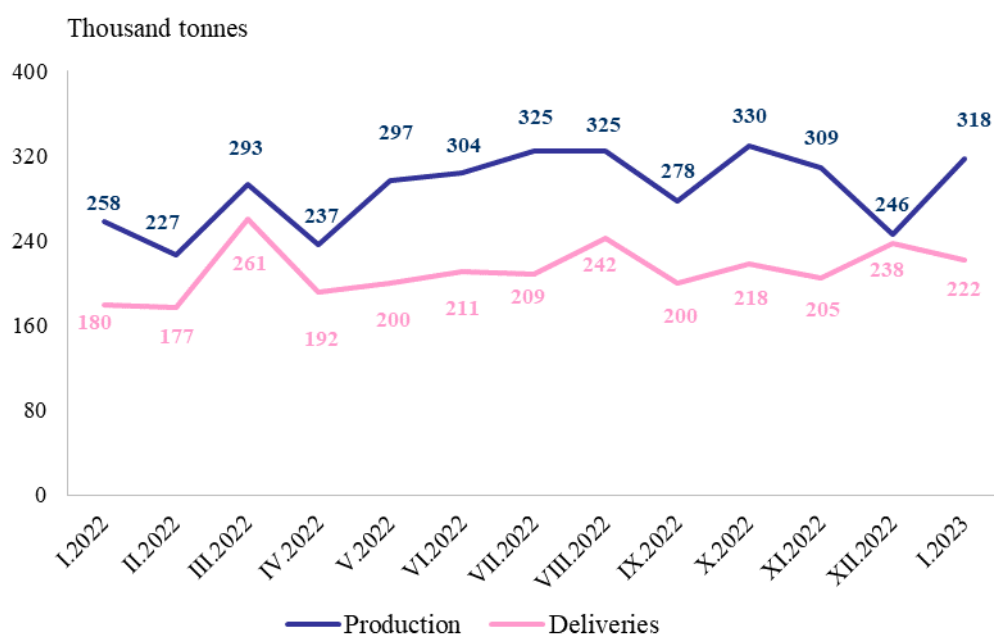


Figure 5. Production and deliveries of natural gas

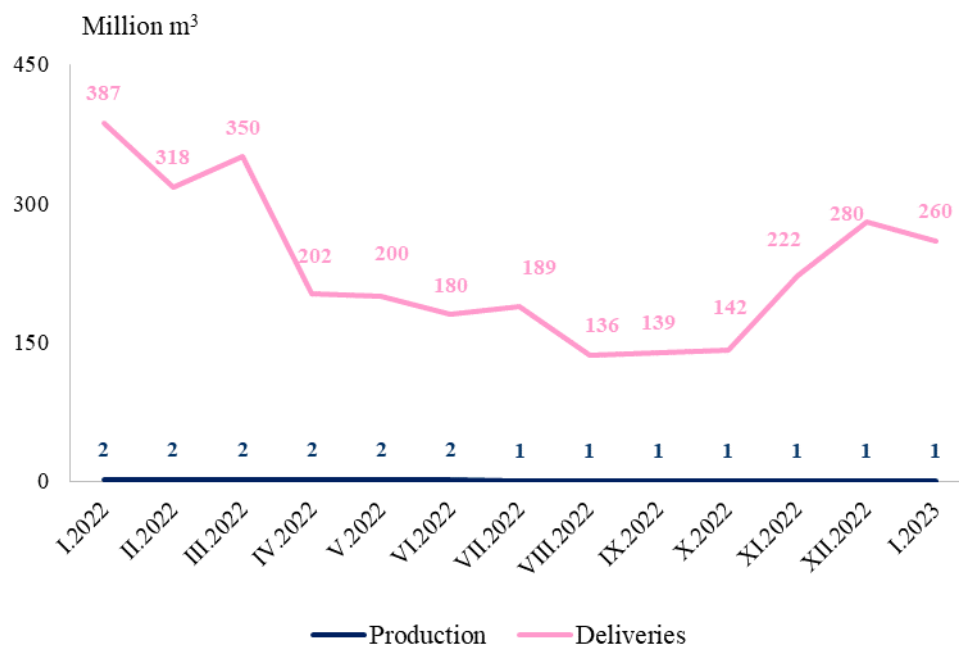


Figure 6. Production and deliveries of electricity

