

First Release

Year: LXI.

Zagreb, 15 January 2025

OEN-2024-2-1/11

ISSN 1334-0557



SHORT-TERM INDICATORS OF ENERGY STATISTICS, NOVEMBER 2024, FIRST RESULTS

In November 2024, electricity available for the inland market amounted to **1 569 GWh**. The availability of electricity for domestic consumption increased by **7.2%** compared to October 2024 and by **3.8%** compared to November 2023.

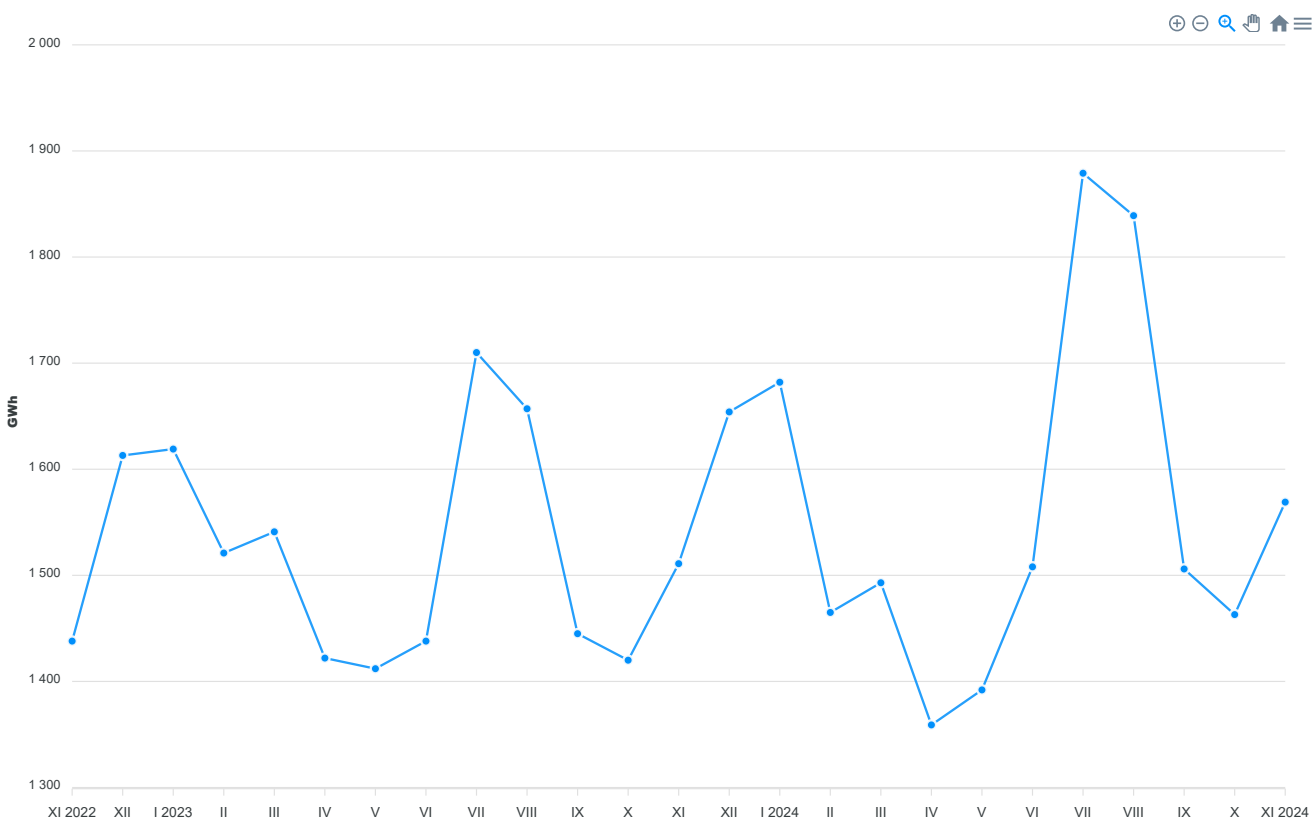
The amount of natural gas available for consumption in November 2024 was **10 790 TJ**, while the stocks decreased by 2 593 TJ. The amount of natural gas available for domestic consumption in November 2024 increased by **16.8%** compared to October 2024 and decreased by 2.0% compared to November 2023.

The amount of petroleum products available for consumption in November 2024 was **306 thousand tonnes**, while the stocks decreased by 39 thousand tonnes. The amount of petroleum products available for domestic consumption in November 2024 decreased by 4.1% compared to October 2024 and increased by **8.1%** compared to November 2023.

The amount of electricity available for consumption also includes losses in the electricity network.

As for other energy products, the quantity available for the inland market also contains the quantities of energy products that may end up in warehouses, either in those of final consumers or in retail trade.

G-1 ELECTRICITY AVAILABLE FOR INLAND MARKET, NOVEMBER 2022 – NOVEMBER 2024



1 ELECTRICITY

GWh

Supply	Electricity							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Total gross production	1 344	1 168	1 249	1 629	1 164	1 060	1 350	1 297
Hydro power plants	561	336	464	870	400	322	652	527
Thermal power plants and CHP on fossil fuels	477	492	476	408	438	358	396	362
Thermal power plants and CHP on renewable fuels	76	79	80	79	74	69	81	87
Wind power plants	188	227	205	256	161	253	172	288
Solar power plants	41	35	25	16	91	59	49	33
Geothermal power plants	-	-	-	-	-	-	-	-
Total net production	1 310	1 132	1 214	1 596	1 134	1 034	1 315	1 264
Hydro power plants	560	334	462	868	398	320	648	525
Thermal power plants and CHP on fossil fuels	452	466	450	387	415	339	372	340
Thermal power plants and CHP on renewable fuels	70	72	73	72	69	64	75	80
Wind power plants	187	226	204	254	160	252	171	287
Solar power plants	41	35	25	16	91	59	49	33
Geothermal power plants	-	-	-	-	-	-	-	-
Import	830	808	883	729	1 525	1 061	902	1 007
Export	483	476	653	803	803	587	741	685
Energy absorbed by storage pumping	-	19	24	11	18	2	13	16
Available for inland market	1 657	1 445	1 420	1 511	1 839	1 506	1 463	1 569

2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2023				2024			
		VIII	IX	X	XI	VIII	IX	X	XI
Production	mIn m ³	60	37	60	57	74	69	71	68
	TJ (GCV)	2 399	1 482	2 373	2 269	2 881	2 766	2 839	2 724
Import	mIn m ³	279	258	188	197	177	218	230	179
	TJ (GCV)	11 510	10 150	7 347	7 685	6 851	8 687	9 190	7 113
Export	mIn m ³	120	94	64	44	78	76	23	42
	TJ (GCV)	4 668	3 710	2 488	1 683	2 988	2 973	912	1 641
Variation of stocks	mIn m ³	48	27	-25	-69	19	16	35	-54
	TJ (GCV)	1 535	1 224	-1 148	-2 741	253	1 040	1 879	-2 593
Available for inland market	mIn m ³	172	174	208	279	153	195	242	259
	TJ (GCV)	7 705	6 698	8 380	11 011	6 491	7 439	9 237	10 790

3 HYDROCARBONS

3.1 CRUDE OIL

'000 tonnes

Supply	Crude oil							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	44	40	43	41	41	40	41	40
Import	377	103	209	-	83	239	262	230
Export	-	-	44	22	59	-	-	58
Variation of stocks	136	-78	1	-165	-193	25	73	-18
Refinery input	285	221	207	184	258	254	230	230

3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	354	291	293	285	299	302	302	302
Import	190	228	186	203	246	263	241	148
Export	202	197	185	150	189	191	234	183
Variation of stocks	-26	-13	-6	55	-28	19	-10	-39
Available for inland market	368	335	299	283	384	355	319	306

3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	84	70	77	69	78	71	71	88
Import	11	16	13	14	11	14	16	17
Export	20	52	45	20	28	33	33	80
Variation of stocks	7	-18	12	28	-3	1	7	-13
Available for inland market	68	52	33	35	64	51	47	38

3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	137	116	123	116	122	134	125	136
Import	154	153	149	165	214	193	195	108
Export	101	80	82	99	115	110	123	76
Variation of stocks	-18	-15	-9	13	-21	1	-1	-35
Available for inland market	208	204	199	169	242	216	198	203

3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	37	33	24	9	29	27	42	30
Import	-	1	1	1	-	1	1	1
Export	31	31	27	2	28	28	51	12
Variation of stocks	6	3	-3	7	-	-2	-10	17
Available for inland market	-	-	1	1	1	2	2	2

3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	96	72	69	91	70	70	64	48
Import	25	58	23	23	21	55	29	22
Export	50	34	31	29	18	20	27	15
Variation of stocks	-21	17	-6	7	-4	19	-6	-8
Available for inland market	92	79	66	78	77	86	72	63

4 CRUDE FUELS

4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	-	-	-	-	-	-	-	-
Import	7	75	-	67	-	-	74	75
Export	-	-	-	-	-	-	-	-
Variation of stocks	-56	15	-63	16	-57	-38	13	17
Available for inland market	63	60	63	51	57	38	61	58

4.2 COKE

'000 tonnes

Supply	Coke							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	-	-	-	-	-	-	-	-
Import	2	3	2	-	2	2	2	3
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	2	3	2	-	2	2	2	3

4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2023				2024			
	VIII	IX	X	XI	VIII	IX	X	XI
Production	-	-	-	-	-	-	-	-
Import	1	1	1	3	-	1	-	1
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	1	1	1	3	-	1	-	1

NOTES ON METHODOLOGY

Data are based on several statistical surveys as follows: the Monthly Survey on Industrial Production and Persons Employed (IND-1/KPS/M form), the Monthly Survey on Oil Refineries (ERG-1/N form), the Monthly Survey on Import, Export and Stocks of Petroleum and Petroleum Products (ERG-2/N form), the Monthly Survey on Import, Export, Stocks and Deliveries of Natural Gas (ERG-1/P form), the Monthly Survey on Import, Export, Stocks, Deliveries and Consumption of Coal and Coke (ERG-1/U form), and the Monthly Survey on Electricity Power Plants (ERG-1/EL form) as well as on the data on foreign trade in goods of the Republic of Croatia and administrative data sources (part of the data on net electricity production was taken from HERA).

The monthly data are used for monitoring the changes in energy products according to the mentioned characteristics. Their sum for 12 months does not represent the annual balance data, due to the fast output of monthly data or to the fact that some deliveries are cancelled, which may lead to slight deviations from the monthly data. For that reason, the following sources of annual data are recommended: the annual Statistical Report entitled "Energy Statistics" published by the Croatian Bureau of Statistics and the annual energy review entitled "Energy in Croatia" published by the Ministry of Economy and Sustainable Development.

Gross electricity production is the sum of the total electrical energy production by all the generating sets concerned (hydro power plants, thermal power plants and CHP on fossil fuels, thermal power plants and CHP on renewable fuels, wind power plants and solar power plants).

Net electricity production is the electrical energy supplied from a power station to a power-supply grid and it represents the difference between the electrical energy produced in a generator and own supply.

Geothermal power plants produce energy available as heat emitted from within the Earth's crust, usually in the form of hot water or steam; excluding the surrounding heat collected by the heat pumps from the ground. This energy production is the difference between the enthalpy of the fluid produced in the production borehole and that of the fluid eventually disposed of.

Energy available for consumption is the quantity of energy products available for final consumption on the inland market, including losses and stocks at final consumers and in retail trade.

Crude oil is a mineral oil of natural origin that includes a mixture of hydrocarbons and associated impurities, such as sulphur. It exists in the liquid phase under normal surface temperature and pressure and its physical characteristics (density, viscosity, etc.) are highly variable. This category includes field or lease condensates recovered from associated and non-associated gases where it is commingled with the commercial crude oil stream.

Natural gas is comprised of gases, occurring naturally in underground deposits, whether liquefied or gaseous, consisting mainly of methane. It includes both "non-associated" gas originating from fields producing hydrocarbons only in gaseous form, and "associated" gas produced in association with crude oil as well as methane recovered from coal mines (colliery gas). Manufactured gas (produced from municipal or industrial waste or sewage) is also included, while vented or flared quantities of natural gas are excluded.

Petroleum products are all products produced in petroleum refineries: refinery gas, liquefied petroleum gas, motor gasoline, kerosene, jet fuel, diesel oil, light fuel oil, fuel oil, naphtha, white spirit, lubricating oils, bitumen, paraffin waxes, petroleum coke and other refinery products.

Other petroleum products encompass liquefied petroleum gas in NGL plants.

Import includes the quantities of energy products that crossed the state border of the Republic of Croatia, regardless of whether or not they were cleared through the customs. The quantities of petroleum and petroleum products and liquid gas that are under contracts on production realised abroad are also to be presented in this table as import. Energy products in transit through the Republic of Croatia are not presented in this survey form either as import or as export.

Export includes the quantities that crossed the state border of the Republic of Croatia, regardless of whether or not they were cleared through the customs and whether or not they are owned by a Croatian resident.

For import and export of electricity, a Eurostat definition is used which includes transit: amounts of electricity are considered imported or exported when they have crossed the political boundaries of a country, regardless of whether customs clearance has taken place or not. If electricity transits through a country, the amount should be reported as both import and export.

Variation of stocks includes stock changes at the beginning and at the end of a month in enterprises engaged in the production, transformation, import and export of energy. The difference is calculated by subtracting the state of stocks at the beginning of the first working day in a month from the state of stocks at the end of the last day in the same month.

Minor deviations may occur in the summary presentation of data due to the rounding of figures.

Abbreviations

CHP	combined heat and power generation
Eurostat	Statistical Office of the European Union
GCV	gross calorific value
GWh	gigawatt hour
HERA	Croatian Energy Regulatory Agency
m ³	cubic metre
mIn	million
NGL	natural gas liquids
TJ	terajoule
'000	thousand

Symbols

- no occurrence

Published by the Croatian Bureau of Statistics, Zagreb, Ilica 3, P. O. B. 80

Phone: (+385 1) 48 06 111

Press corner: press@dzs.hr

Persons responsible:

Edita Omerzo, Director of Spatial Statistics Directorate

Lidija Brković, Director General

Prepared by:

Darko Jukić, Ana Grabić, Mirjana Petanjek and Željka Oršanić Kelebuš

USERS ARE KINDLY REQUESTED TO STATE THE SOURCE.

Customer Relations and Data Protection Department

Information and user requests

Phone: (+385 1) 48 06 138, 48 06 154, 48 06 115

E-mail: stat.info@dzs.hr

Subscription

Phone: (+385 1) 21 00 455

E-mail: prodaja@dzs.hr