



## SHORT-TERM INDICATORS OF ENERGY STATISTICS, DECEMBER 2024, FIRST RESULTS

In December 2024, electricity available for the inland market amounted to **1 742 GWh**. The availability of electricity for domestic consumption increased by **11.0%** compared to November 2024 and by **5.3%** compared to December 2023.

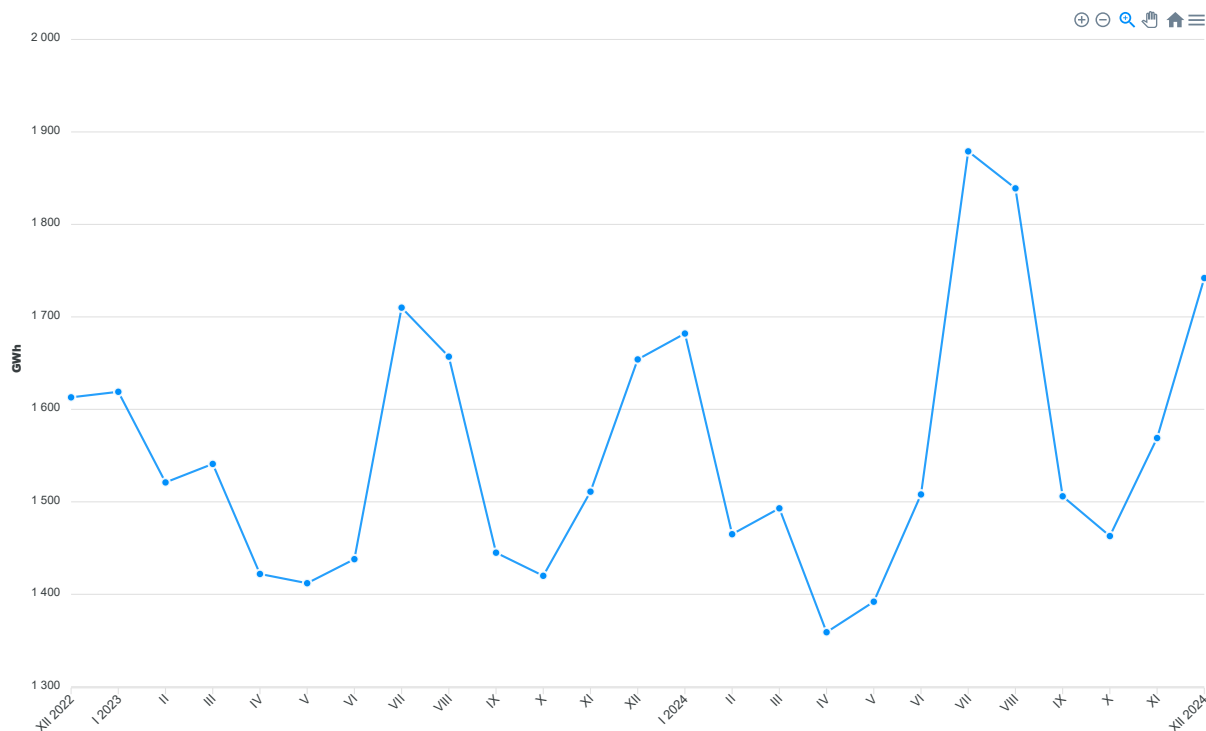
The amount of natural gas available for consumption in December 2024 was **12 622 TJ**, while the stocks decreased by 5 309 TJ. The amount of natural gas available for domestic consumption in December 2024 increased by **17.0%** compared to November 2024 and increased by **26.6%** compared to December 2023.

The amount of petroleum products available for consumption in December 2024 was **303 thousand tonnes**, while the stocks increased by 21 thousand tonnes. The amount of petroleum products available for domestic consumption in December 2024 decreased by 1.0% compared to November 2024, but increased by **15.6%** compared to December 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, DECEMBER 2022 – DECEMBER 2024



## 1 ELECTRICITY

GWh

Supply	Electricity							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Total gross production	1 168	1 249	1 629	1 559	1 060	1 350	1 297	1 545
Hydro power plants	336	464	870	890	322	652	527	606
Thermal power plants and CHP on fossil fuels	492	476	408	325	358	396	362	515
Thermal power plants and CHP on renewable fuels	79	80	79	83	69	81	87	88
Wind power plants	227	205	256	246	253	172	288	310
Solar power plants	35	25	16	16	59	49	33	26
Geothermal power plants	-	-	-	-	-	-	-	-
Total net production	1 132	1 214	1 596	1 538	1 034	1 315	1 264	1 509
Hydro power plants	334	462	868	887	320	648	525	604
Thermal power plants and CHP on fossil fuels	466	450	387	313	339	372	340	490
Thermal power plants and CHP on renewable fuels	72	73	72	78	64	75	80	81
Wind power plants	226	204	254	244	252	171	287	309
Solar power plants	35	25	16	16	59	49	33	26
Geothermal power plants	-	-	-	-	-	-	-	-
Import	808	883	729	999	1 061	902	1 007	1 131
Export	476	653	803	856	587	741	685	885
Energy absorbed by storage pumping	19	24	11	27	2	13	16	13
Available for inland market	1 445	1 420	1 511	1 654	1 506	1 463	1 569	1 742

## 2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2023				2024			
		IX	X	XI	XII	IX	X	XI	XII
Production	mIn m <sup>3</sup>	37	60	57	58	69	71	68	64
	TJ (GCV)	1 482	2 373	2 269	2 306	2 766	2 839	2 724	2 537
Import	mIn m <sup>3</sup>	258	188	197	217	218	230	179	181
	TJ (GCV)	10 150	7 347	7 685	8 470	8 687	9 190	7 113	7 420
Export	mIn m <sup>3</sup>	94	64	44	79	76	23	42	65
	TJ (GCV)	3 710	2 488	1 683	3 044	2 973	912	1 641	2 643
Variation of stocks	mIn m <sup>3</sup>	27	-25	-69	-58	16	35	-54	-136
	TJ (GCV)	1 224	-1 148	-2 741	-2 236	1 040	1 879	-2 593	-5 309
Available for inland market	mIn m <sup>3</sup>	174	208	279	254	195	242	259	315
	TJ (GCV)	6 698	8 380	11 011	9 968	7 439	9 237	10 790	12 622

## 3 HYDROCARBONS

### 3.1 CRUDE OIL

'000 tonnes

Supply	Crude oil							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	40	43	41	42	40	41	40	42
Import	103	209	-	-	239	262	230	160
Export	-	44	22	65	-	-	58	27
Variation of stocks	-78	1	-165	-50	25	73	-18	-78
Refinery input	221	207	184	27	254	230	230	253

### 3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	291	293	285	42	302	302	302	299
Import	228	186	203	301	263	241	148	213
Export	197	185	150	146	191	234	183	188
Variation of stocks	-13	-6	55	-65	19	-10	-39	21
Available for inland market	335	299	283	262	355	319	306	303

#### 3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	70	77	69	-	71	71	88	79
Import	16	13	14	15	14	16	17	18
Export	52	45	20	6	33	33	80	33
Variation of stocks	-18	12	28	-28	1	7	-13	22
Available for inland market	52	33	35	37	51	47	38	42

### 3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	116	123	116	11	134	125	136	142
Import	153	149	165	252	193	195	108	168
Export	80	82	99	100	110	123	76	86
Variation of stocks	-15	-9	13	-10	1	-1	-35	17
Available for inland market	204	199	169	173	216	198	203	207

### 3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	33	24	9	11	27	42	30	31
Import	1	1	1	1	1	1	1	1
Export	31	27	2	15	28	51	12	48
Variation of stocks	3	-3	7	-6	-2	-10	17	-19
Available for inland market	-	1	1	3	2	2	2	3

### 3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	72	69	91	20	70	64	48	47
Import	58	23	23	33	55	29	22	26
Export	34	31	29	25	20	27	15	21
Variation of stocks	17	-6	7	-21	19	-6	-8	1
Available for inland market	79	66	78	49	86	72	63	51

## 4 CRUDE FUELS

### 4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	-	-	-	-	-	-	-	-
Import	75	-	67	72	-	74	75	70
Export	-	-	-	-	-	-	-	-
Variation of stocks	15	-63	16	54	-38	13	17	6
Available for inland market	60	63	51	18	38	61	58	64

### 4.2 COKE

'000 tonnes

Supply	Coke							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	-	-	-	-	-	-	-	-
Import	3	2	-	2	2	2	3	4
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	3	2	-	2	2	2	3	4

### 4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2023				2024			
	IX	X	XI	XII	IX	X	XI	XII
Production	-	-	-	-	-	-	-	-
Import	1	1	3	1	1	-	1	1
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	1	1	3	1	1	-	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 <sup>3</sup>	cubic metre
mln	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](mailto: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 Kelebut

**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](mailto:stat.info@dzs.hr)

Subscription

Phone: (+385 1) 21 00 455

E-mail: [prodaja@dzs.hr](mailto:prodaja@dzs.hr)