

First Release

Year: LXI.

Zagreb, 13 December 2024

OEN-2024-2-1/10

ISSN 1334-0557



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

In October 2024, electricity available for the inland market amounted to **1 463 GWh**. The availability of electricity for domestic consumption decreased by 2.9% compared to September 2024 and increased by **3.0%** compared to October 2023.

The amount of natural gas available for consumption in October 2024 was **9 237 TJ**, while the stocks increased by 1 879 TJ. The amount of natural gas available for domestic consumption in October 2024 increased by **24.2%** compared to September 2024 and increased by 10.2% compared to October 2023.

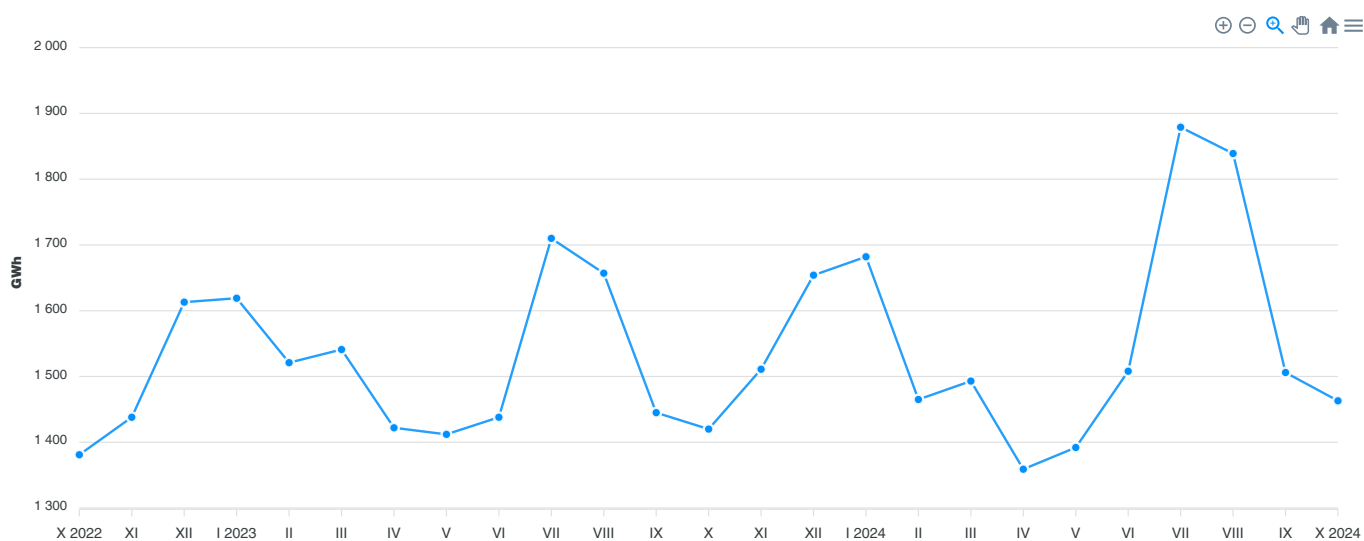
The amount of petroleum products available for consumption in October 2024 was **319 thousand tonnes**, while the stocks decreased by 10 thousand tonnes. The amount of petroleum products available for domestic consumption in October 2024 decreased by 10.1% compared to September 2024 and increased by **6.7%** compared to October 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.

Data for natural gas for July 2024 have been revised due to subsequently submitted correct data of reporting units.

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



1 ELECTRICITY

GWh

Supply	Electricity							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Total gross production	1 280	1 344	1 168	1 249	1 230	1 164	1 060	1 350
Hydro power plants	562	561	336	464	482	400	322	652
Thermal power plants and CHP on fossil fuels	489	477	492	476	402	438	358	396
Thermal power plants and CHP on renewable fuels	70	76	79	80	71	74	69	81
Wind power plants	116	188	227	205	192	161	253	172
Solar power plants	43	41	35	25	83	91	59	49
Geothermal power plants	-	-	-	-	-	-	-	-
Total net production	1 250	1 310	1 132	1 214	1 203	1 134	1 034	1 315
Hydro power plants	560	560	334	462	480	398	320	648
Thermal power plants and CHP on fossil fuels	466	452	466	450	382	415	339	372
Thermal power plants and CHP on renewable fuels	66	70	72	73	66	69	64	75
Wind power plants	115	187	226	204	191	160	252	171
Solar power plants	43	41	35	25	83	91	59	49
Geothermal power plants	-	-	-	-	-	-	-	-
Import	947	830	808	883	1 525	1 525	1 061	902
Export	487	483	476	653	816	803	587	741
Energy absorbed by storage pumping	-	-	19	24	32	18	2	13
Available for inland market	1 710	1 657	1 445	1 420	1 879	1 839	1 506	1 463

2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2023				2024			
		VII	VIII	IX	X	VII	VIII	IX	X
Production	mIn m ³	62	60	37	60	67 ¹⁾	74	69	71
	TJ (GCV)	2 468	2 399	1 482	2 373	2 633 ¹⁾	2 881	2 766	2 839
Import	mIn m ³	204	279	258	188	255	177	218	230
	TJ (GCV)	8 045	11 510	10 150	7 347	10 016	6 851	8 687	9 190
Export	mIn m ³	121	120	94	64	77	78	76	23
	TJ (GCV)	4 738	4 668	3 710	2 488	2 982	2 988	2 973	912
Variation of stocks	mIn m ³	-28	48	27	-25	109	19	16	35
	TJ (GCV)	-829	1 535	1 224	-1 148	4 356	253	1 040	1 879
Available for inland market	mIn m ³	174	172	174	208	136 ¹⁾	153	195	242
	TJ (GCV)	6 604	7 705	6 698	8 380	5 311 ¹⁾	6 491	7 439	9 237

1) The data were revised due to subsequently submitted correct data of reporting units.

3 HYDROCARBONS

3.1 CRUDE OIL

'000 tonnes

Supply	Crude oil							
	2023				2024			
	VII	VIII	IX.	X	VII	VIII	IX	X
Production	44	44	40	43	43	41	40	41
Import	187	377	103	209	173	83	239	262
Export	-	-	-	44	-	59	-	-
Variation of stocks	-28	136	-78	1	-69	-193	25	73
Refinery input	259	285	221	207	285	258	254	230

3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	324	354	291	293	322	299	302	302
Import	222	190	228	186	278	246	263	241
Export	169	202	197	185	190	189	191	234
Variation of stocks	34	-26	-13	-6	57	-28	19	-10
Available for inland market	343	368	335	299	353	384	355	319

3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	77	84	70	77	81	78	71	71
Import	10	11	16	13	22	11	14	16
Export	11	20	52	45	30	28	33	33
Variation of stocks	23	7	-18	12	4	-3	1	7
Available for inland market	54	68	52	33	69	64	51	47

3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	127	137	116	123	134	122	134	125
Import	181	154	153	149	221	214	193	195
Export	93	101	80	82	123	115	110	123
Variation of stocks	10	-18	-15	-9	33	-21	1	-1
Available for inland market	204	208	204	199	199	242	216	198

3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	31	37	33	24	20	29	27	42
Import	1	-	1	1	-	-	1	1
Export	31	31	31	27	2	28	28	51
Variation of stocks	-	6	3	-3	17	-	-2	-10
Available for inland market	1	-	-	1	1	1	2	2

3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	89	96	72	69	87	70	70	64
Import	30	25	58	23	35	21	55	29
Export	34	50	34	31	35	18	20	27
Variation of stocks	1	-21	17	-6	3	-4	19	-6
Available for inland market	84	92	79	66	84	77	86	72

4 CRUDE FUELS

4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	-	-	-	-	-	-	-	-
Import	146	7	75	-	-	-	-	74
Export	-	-	-	-	-	-	-	-
Variation of stocks	93	-56	15	-63	-47	-57	-38	13
Available for inland market	53	63	60	63	47	57	38	61

4.2 COKE

'000 tonnes

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

4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2023				2024			
	VII	VIII	IX	X	VII	VIII	IX	X
Production	-	-	-	-	-	-	-	-
Import	-	1	1	1	-	-	1	-
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	-	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 ³	cubic metre
mln	million
NGL	natural gas liquids
TJ	terajoule
'000	thousand

Symbols

- no occurrence

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