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

In September 2024, electricity available for the inland market amounted to 1 506 GWh. The availability of electricity for domestic consumption decreased by 18.1% compared to August 2024 and increased by 4.2% compared to September 2023.

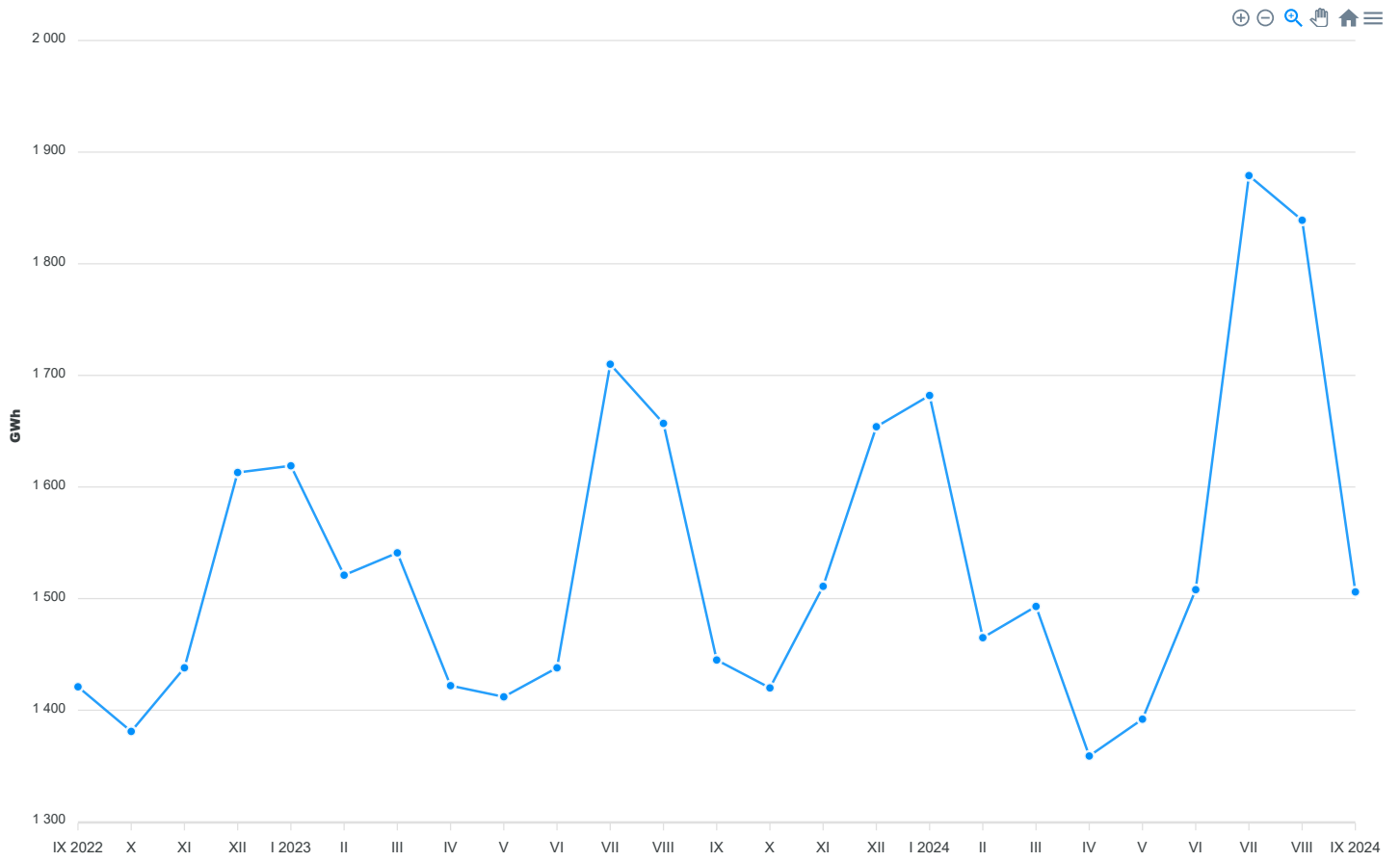
The amount of natural gas available for consumption in September 2024 was 7 439 TJ, while the stocks increased by 1 040 TJ. The amount of natural gas available for domestic consumption in September 2024 increased by 14.6% compared to August 2024 and increased by 11.1% compared to September 2023.

The amount of petroleum products available for consumption in September 2024 was 355 thousand tonnes, while the stocks increased by 19 thousand tonnes. The amount of petroleum products available for domestic consumption in September 2024 decreased by 7.6% compared to August 2024 and increased by 6.0% compared to September 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, SEPTEMBER 2022 – SEPTEMBER 2024



## 1 ELECTRICITY

GWh

Supply	Electricity							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Total gross production	1 319	1 280	1 344	1 168	956	1 230	1 164	1 060
Hydro power plants	658	562	561	336	533	482	400	322
Thermal power plants and CHP on fossil fuels	388	489	477	492	161	402	438	358
Thermal power plants and CHP on renewable fuels	80	70	76	79	78	71	74	69
Wind power plants	156	116	188	227	113	192	161	253
Solar power plants	37	43	41	35	71	83	91	59
Geothermal power plants	-	-	-	-	-	-	-	-
Total net production	1 285	1 250	1 310	1 132	943	1 203	1 134	1 034
Hydro power plants	657	560	560	334	531	480	398	320
Thermal power plants and CHP on fossil fuels	365	466	452	466	157	382	415	339
Thermal power plants and CHP on renewable fuels	71	66	70	72	72	66	69	64
Wind power plants	155	115	187	226	112	191	160	252
Solar power plants	37	43	41	35	71	83	91	59
Geothermal power plants	-	-	-	-	-	-	-	-
Import	838	947	830	808	1 362	1 525	1 525	1 061
Export	679	487	483	476	773	816	803	587
Energy absorbed by storage pumping	6	-	-	19	24	32	18	2
Available for inland market	1 438	1 710	1 657	1 445	1 508	1 879	1 839	1 506

## 2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2023				2024			
		VI	VII	VIII	IX	VI	VII	VIII	IX
Production	mIn m <sup>3</sup>	57	62	60	37	62 <sup>1)</sup>	67 <sup>1)</sup>	74	69
	TJ (GCV)	2 278	2 468	2 399	1 482	2 438 <sup>1)</sup>	2 633 <sup>1)</sup>	2 881	2 766
Import	mIn m <sup>3</sup>	282	204	279	258	176	255	177	218
	TJ (GCV)	11 384	8 045	11 510	10 150	7 020	10 016	6 851	8 687
Export	mIn m <sup>3</sup>	127	121	120	94	60	77	78	76
	TJ (GCV)	5 014	4 738	4 668	3 710	2 318	2 982	2 988	2 973
Variation of stocks	mIn m <sup>3</sup>	85	-28	48	27	71	109	19	16
	TJ (GCV)	3 326	-829	1 535	1 224	2 814	4 356	253	1 040
Available for inland market	mIn m <sup>3</sup>	127	174	172	174	107 <sup>1)</sup>	136 <sup>1)</sup>	153	195
	TJ (GCV)	5 322	6 604	7 705	6 698	4 326 <sup>1)</sup>	5 311 <sup>1)</sup>	6 491	7 439

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			
	VI	VII	VIII	IX.	VI	VII	VIII	IX
Production	43	44	44	40	40	43	41	40
Import	180	187	377	103	235	173	83	239
Export	-	-	-	-	-	-	59	-
Variation of stocks	-3	-28	136	-78	70	-69	-193	25
Refinery input	226	259	285	221	205	285	258	254

### 3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	299	324	354	291	266	322	299	302
Import	169	222	190	228	239	278	246	263
Export	160	169	202	197	182	190	189	191
Variation of stocks	10	34	-26	-13	-18	57	-28	19
Available for inland market	298	343	368	335	341	353	384	355

#### 3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	70	77	84	70	70	81	78	71
Import	7	10	11	16	8	22	11	14
Export	41	11	20	52	23	30	28	33
Variation of stocks	-14	23	7	-18	-2	4	-3	1
Available for inland market	50	54	68	52	57	69	64	51

### 3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	133	127	137	116	91	134	122	134
Import	132	181	154	153	196	221	214	193
Export	65	93	101	80	99	123	115	110
Variation of stocks	16	10	-18	-15	1	33	-21	1
Available for inland market	184	204	208	204	187	199	242	216

### 3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	31	31	37	33	24	20	29	27
Import	-	1	-	1	-	-	-	1
Export	16	31	31	31	24	2	28	28
Variation of stocks	9	-	6	3	-1	17	-	-2
Available for inland market	6	1	-	-	1	1	1	2

### 3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	65	89	96	72	81	87	70	70
Import	30	30	25	58	35	35	21	55
Export	38	34	50	34	36	35	18	20
Variation of stocks	-1	1	-21	17	-16	3	-4	19
Available for inland market	58	84	92	79	96	84	77	86

## 4 CRUDE FUELS

### 4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	10	146	7	75	-	-	-	-
Export	-	-	-	-	-	-	-	-
Variation of stocks	-47	93	-56	15	-7	-47	-57	-38
Available for inland market	57	53	63	60	7	47	57	38

### 4.2 COKE

'000 tonnes

Supply	Coke							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	2	2	2	3	1	2	2	2
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	2	2	2	3	1	2	2	2

### 4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2023				2024			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	-	-	1	1	-	-	-	1
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	-	-	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

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