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

In May 2024, electricity available for the inland market amounted to 1 392 GWh. The availability of electricity for domestic consumption increased by 2.4% compared to April 2024, while it decreased by 1.4% compared to May 2023.

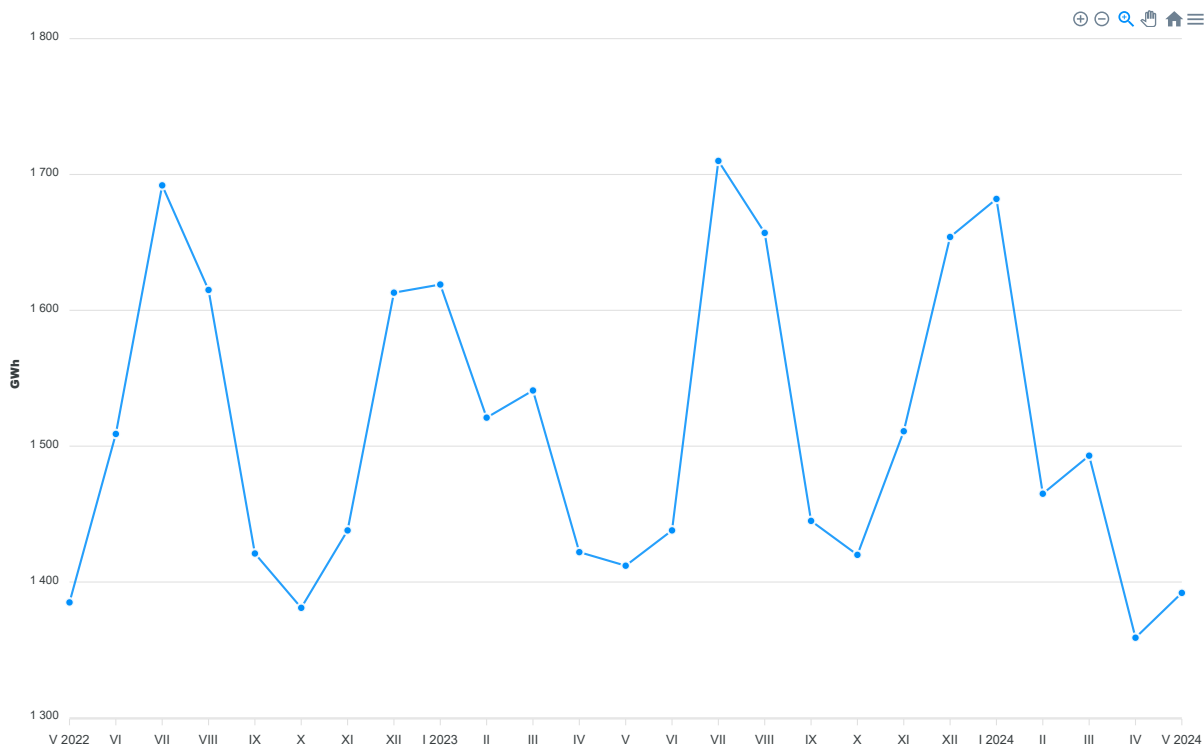
The amount of natural gas available for consumption in May 2024 was 5 165 TJ, while the stocks increased by 1 088 TJ. The amount of natural gas available for domestic consumption in May 2024 decreased by 19.9% compared to April 2024 and by 19.6% compared to May 2023.

The amount of petroleum products available for consumption in May 2024 was 308 thousand tonnes, while the stocks increased by 47 thousand tonnes. The amount of petroleum products available for domestic consumption in May 2024 increased by 14.9% compared to April 2024, while it decreased by 1.9% compared to May 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, MAY 2022 - MAY 2024



1 ELECTRICITY

GWh

Supply	Electricity							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Total gross production	1 441	1 718	1 347	1 534	1 288	1 473	1 126	1 017
Hydro power plants	615	847	589	925	672	785	556	464
Thermal power plants and CHP on fossil fuels	501	547	420	260	316	320	228	298
Thermal power plants and CHP on renewable fuels	85	91	86	85	76	80	79	81
Wind power plants	222	207	224	238	209	250	204	187
Solar power plants	13	21	24	23	14	39	59	67
Geothermal power plants	5	5	4	2	-	-	-	-
Total net production	1 406	1 682	1 318	1 522	1 272	1 457	1 109	1 001
Hydro power plants	613	844	586	923	669	782	554	461
Thermal power plants and CHP on fossil fuels	477	520	402	258	307	310	221	211
Thermal power plants and CHP on renewable fuels	79	88	79	80	73	78	73	75
Wind power plants	221	206	223	237	208	248	203	186
Solar power plants	13	21	24	23	14	39	59	67
Geothermal power plants	4	4	3	2	-	-	-	-
Import	813	832	763	677	884	828	885	1 011
Export	685	968	652	786	678	785	596	590
Energy absorbed by storage pumping	13	5	7	1	13	7	39	30
Available for inland market	1 521	1 541	1 422	1 412	1 465	1 493	1 359	1 392

2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2023				2024			
		II	III	IV	V	II	III	IV	V
Production	mIn m ³	56	62	60	61	53	57	56	58
	TJ (GCV)	2 236	2 487	2 378	2 409	2 115	2 268	2 233	2 289
Import	mIn m ³	256	205	282	184	176	268	186	171
	TJ (GCV)	9 992	8 010	11 342	7 476	6 881	10 502	7 302	6 795
Export	mIn m ³	43	85	105	85	87	105	104	74
	TJ (GCV)	1 657	3 301	4 183	3 432	3 338	4 026	3 997	2 830
Variation of stocks	mIn m ³	2	-63	29	1	-79	12	-19	26
	TJ (GCV)	154	-2 542	1 288	25	-3 160	557	-912	1 088
Available for inland market	mIn m ³	267	245	208	158	222	208	157	129
	TJ (GCV)	10 416	9 738	8 249	6 428	8 818	8 187	6 450	5 165

3 HYDROCARBONS

3.1 CRUDE OIL

'000 tonnes

Supply	Crude oil							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	41	45	43	43	39	42	40	43
Import	-	-	106	180	34	89	179	89
Export	-	56	56	52	-	59	-	-
Variation of stocks	36	-26	91	-26	59	69	197	-32
Refinery input	5	15	2	197	14	3	22	164

3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	14	23	9	239	23	7	42	245
Import	304	259	354	244	320	399	347	293
Export	78	96	75	86	145	136	131	183
Variation of stocks	17	-78	2	83	-14	9	-10	47
Available for inland market	223	264	286	314	212	261	268	308

3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	3	1	1	59	4	-	-	38
Import	36	40	37	10	45	43	33	45
Export	6	7	8	17	36	7	9	21
Variation of stocks	4	-1	-14	11	-20	2	-23	13
Available for inland market	29	35	44	41	33	34	47	49

3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	-	-	-	102	-	-	24	108
Import	231	180	266	156	248	321	256	208
Export	66	68	62	60	91	115	117	104
Variation of stocks	6	-71	26	17	9	18	-15	34
Available for inland market	159	183	178	181	148	188	178	178

3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	8	19	5	26	11	1	7	25
Import	1	1	1	1	-	-	1	-
Export	2	17	1	1	12	2	2	28
Variation of stocks	4	-4	-1	19	-1	-1	5	-4
Available for inland market	3	7	6	7	-	-	1	1

3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	3	3	3	52	8	6	11	74
Import	36	38	50	77	27	35	57	40
Export	4	4	4	8	6	12	3	30
Variation of stocks	3	-2	-9	36	-2	-10	23	4
Available for inland market	32	39	58	85	31	39	42	80

4 CRUDE FUELS

4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	-	-	-	-	-	-	-	-
Import	73	71	-	5	7	62	7	-
Export	-	-	-	-	-	-	-	-
Variation of stocks	31	15	-21	-4	3	58	1	-7
Available for inland market	42	56	21	9	4	4	6	7

4.2 COKE

'000 tonnes

Supply	Coke							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	-	-	-	-	-	-	-	-
Import	2	2	2	4	2	2	2	3
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	2	2	2	4	2	2	2	3

4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2023				2024			
	II	III	IV	V	II	III	IV	V
Production	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	-	-	-	-	-	-	-	-

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 and HROTE).

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
HROTE	Croatian Energy Market Operator Ltd.
m ³	cubic metre
mln	million
NGL	natural gas liquids
TJ	terajoule
'000	thousand

Symbols

- no occurrence

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