

First Release

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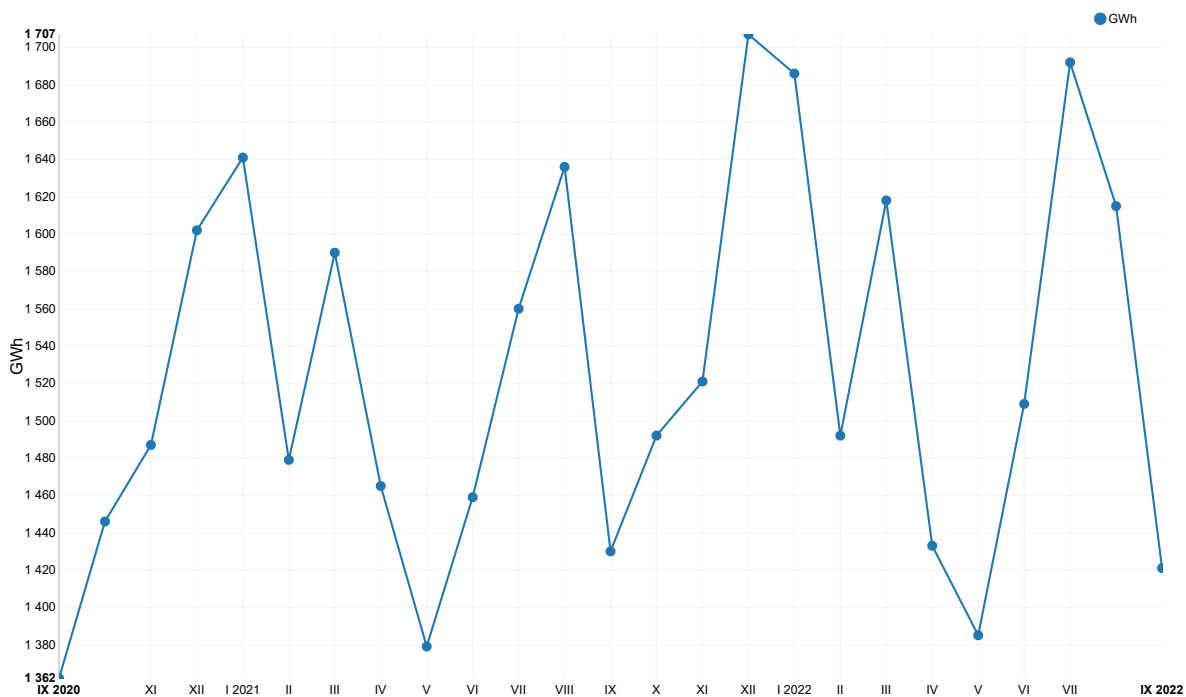


SHORT-TERM INDICATORS OF ENERGY STATISTICS, SEPTEMBER 2022, FIRST RESULTS

In September 2022, electricity available for the inland market amounted to 1 421 GWh, including 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 2020 - SEPTEMBER 2022



1 ELECTRICITY

GWh

Supply	Electricity							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Total gross production	906	1 008	1 028	879	1 036	1 157	1 086	966
Hydro power plants	427	354	367	248	376	338	252	256
Thermal power plants and CHP on fossil fuels	296	426	425	402	425	530	524	416
Thermal power plants and CHP on renewable fuels	81	88	84	92	81	81	87	90
Wind power plants	87	122	135	121	139	192	210	191
Solar power plants	10	10	9	8	10	10	8	8
Geothermal power plants	5	8	8	8	6	6	6	6
Total net production	880	977	1 000	846	1 003	1 119	1 047	937
Hydro power plants	426	353	366	246	374	336	251	254
Thermal power plants and CHP on fossil fuels	279	408	405	380	401	504	497	397
Thermal power plants and CHP on renewable fuels	75	80	80	85	76	74	79	83
Wind power plants	86	120	134	120	137	190	208	190
Solar power plants	10	10	9	8	10	10	8	8
Geothermal power plants	4	6	6	6	5	5	5	5
Import	931	931	1 055	1 034	1 007	1 167	989	1 004
Export	337	337	409	437	488	582	413	515
Energy absorbed by storage pumping	15	11	10	13	13	12	8	5
Available for inland market	1 459	1 560	1 636	1 430	1 509	1 692	1 615	1 421

2 NATURAL GAS

Supply	Unit of measure	Natural gas							
		2021				2022			
		VI	VII	VIII	IX	VI	VII	VIII	IX
Production	mIn m ³	63	66	65	63	63	65	65	61
	TJ (GCV)	2 521	2 636	2 599	2 507	2 521	2 588	2 576	2 439
Import	mIn m ³	186	206	196	109	201	254	387	171
	TJ (GCV)	7 419	8 155	7 802	4 333	8 006	10 133	15 406	6 843
Export	mIn m ³	16	2	6	11	121	72	136	107
	TJ (GCV)	605	68	250	425	4 705	2 796	5 271	4 173
Variation of stocks	mIn m ³	102	90	77	-13	16	96	173	-12
	TJ (GCV)	3 742	3 424	2 940	-619	569	3 653	7 035	-518
Available for inland market	mIn m ³	131	180	178	174	127	151	143	138
	TJ (GCV)	5 593	7 299	7 211	7 034	5 253	6 271	5 676	5 626

3 HYDROCARBONS

3.1 CRUDE OIL

'000 tonnes

Supply	Crude oil							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	45	47	47	46	44	45	47	45
Import	330	85	309	112	176	265	339	90
Export	41	45	39	34	-	-	-	25
Variation of stocks	112	-164	71	-96	-49	49	105	-105
Refinery input	222	251	246	220	270	261	281	215

3.2 PETROLEUM PRODUCTS - TOTAL

'000 tonnes

Supply	Petroleum products							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	297	320	308	288	336	349	350	289
Import	171	123	185	126	154	185	199	154
Export	195	221	135	163	205	145	182	151
Variation of stocks	1	-111	38	-57	-35	27	15	-50
Available for inland market	272	333	320	308	319	362	352	342

3.2.1 MOTOR GASOLINE

'000 tonnes

Supply	Motor gasoline							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	76	78	79	67	85	80	79	65
Import	6	6	6	5	6	8	10	7
Export	58	49	26	26	72	9	13	37
Variation of stocks	-12	-28	-4	5	-27	21	12	-9
Available for inland market	36	63	63	41	46	58	64	44

3.2.2 GAS/DIESEL OIL

'000 tonnes

Supply	Gas/diesel oil							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	140	150	140	135	146	164	151	129
Import	128	88	155	87	99	112	167	125
Export	86	105	87	83	71	72	106	85
Variation of stocks	7	-65	27	-52	-12	2	6	-32
Available for inland market	175	198	181	191	185	202	206	201

3.2.3 FUEL OIL

'000 tonnes

Supply	Fuel oil							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	33	23	34	30	36	26	25	37
Import	-	-	-	-	-	-	-	-
Export	32	31	3	33	32	32	21	12
Variation of stocks	-	-9	30	-4	-3	-7	-1	-
Available for inland market	1	1	1	1	7	1	5	25

3.2.4 OTHER PETROLEUM PRODUCTS

'000 tonnes

Supply	Other petroleum products							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	48	69	55	56	69	79	95	58
Import	37	29	24	34	49	65	22	22
Export	19	36	19	21	30	32	42	17
Variation of stocks	6	-9	-15	-6	7	11	-2	-9
Available for inland market	60	71	75	75	81	101	77	72

4 CRUDE FUELS

4.1 HARD COAL

'000 tonnes

Supply	Hard coal							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	8	72	141	6	92	94	6	67
Export	-	-	-	-	-	-	-	-
Variation of stocks	-57	1	80	-58	32	22	-55	14
Available for inland market	65	71	61	64	60	72	61	53

4.2 COKE

'000 tonnes

Supply	Coke							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	2	3	4	2	2	2	3	2
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	-	-	-	-	-
Available for inland market	2	3	4	2	2	2	3	2

4.3 BROWN COAL

'000 tonnes

Supply	Brown coal							
	2021				2022			
	VI	VII	VIII	IX	VI	VII	VIII	IX
Production	-	-	-	-	-	-	-	-
Import	-	-	-	2	-	-	-	1
Export	-	-	-	-	-	-	-	-
Variation of stocks	-	-	-	1	-	-	-	-
Available for inland market	-	-	-	1	-	-	-	1

NOTES ON METHODOLOGY

This First Release is prepared on the basis of 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.

The monthly data in this First Release 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 Communities
GCV	gross calorific value
GWh	gigawatt hour
m ³	cubic metre
mln	million
NGL	natural gas liquids
TJ	terajoule
'000	thousand

Symbols

- no occurrence

Published by the Croatian Bureau of Statistics, Zagreb, Illica 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 Kelebut

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Customer Relations and Data Protection Department

Information and user requests

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

E-mail: stat.info@dzs.hr

Subscription

Phone: (+385 1) 48 06 115

E-mail: prodaja@dzs.hr