



# Analysis of the day-ahead market and the intraday market for May 2022

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Surveillance division  
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# THE MAIN INDICATORS OF DAM AND IDM



# The main indicators of DAM and IDM for May 2022

## DAY-AHEAD MARKET

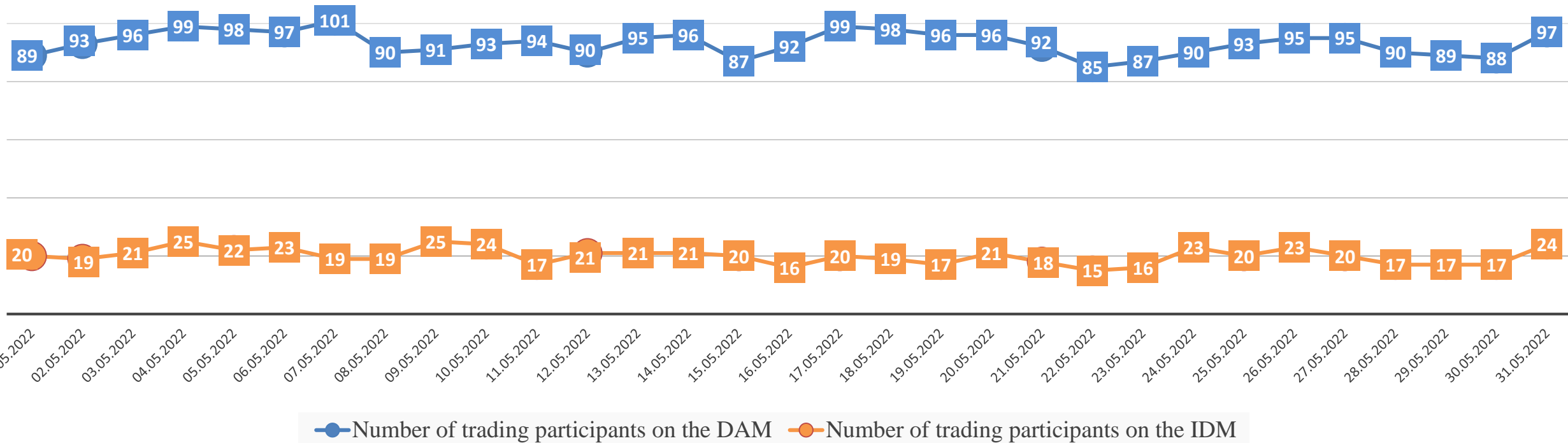
Indicator	May 2022	April 2022	Change,%	May 2021	Change,%
Base index (IPS), UAH/MWh	2 223,82	2 223,82	0,00%	930,07	↑ + 139,10%
Peak index (IPS), UAH/MWh	2 646,25	2 646,25	0,00%	986,14	↑ + 168,34%
Off-peak index (IPS), UAH/MWh	1 801,40	1 801,40	0,00%	874,01	↑ + 106,11%
Base index (BEI), UAH/MWh	-	-	-	1 586,66	-
Peak index (BEI), UAH/MWh	-	-	-	1 867,68	-
Off-peak index (BEI), UAH/MWh	-	-	-	1 305,65	-
DAM weighted average price, UAH/MWh	2 275,79	2 330,00	↓ - 2,33%	1 098,36	↑ + 107,20%
DAM weighted average price (IPS), UAH/MWh	2 275,79	2 330,00	↓ - 2,33%	1 018,74	↑ + 123,39%
DAM weighted average price (BEI), UAH/MWh	-	-	-	1 643,78	-
DAM volume of purchase and sale, MWh	512 792,3	752 135,9	↓ - 31,82%	2 191 475,4	↓ - 76,60%
DAM volume of purchase and sale (IPS), MWh	512 792,3	752 135,9	↓ - 31,82%	1 912 305,7	↓ - 73,18%
DAM volume of purchase and sale (BEI), MWh	-	-	-	279 169,7	-
DAM average daily volume of trades, MWh	16 541,7	25 071,2	↓ - 34,02%	70 692,8	↓ - 76,60%

## INTRADAY MARKET

Indicator	May 2022	April 2022	Change,%	May 2021	Change,%
IDM weighted average price, UAH/MWh	2 770,10	2 562,62	↑ + 8,10%	965,33	↑ + 186,96%
IDM weighted average price (IPS), UAH/MWh	2 770,10	2 562,62	↑ + 8,10%	963,23	↑ + 187,58%
IDM weighted average price (BEI), UAH/MWh	-	-	-	1 469,02	-
IDM volume of purchase and sale, MWh	15 887,9	20 007,8	↓ - 20,59%	677 657,4	↓ - 97,66%
IDM volume of purchase and sale (IPS), MWh	15 887,9	20 007,8	↓ - 20,59%	674 849,4	↓ - 97,65%
IDM volume of purchase and sale (BEI), MWh	-	-	-	2 808,0	-
IDM average daily volume of trades, MWh	512,5	666,9	↓ - 23,15%	21 859,9	↓ - 97,66%

# Information on the DAM/IDM participants

Number of the DAM/IDM participants who submitted orders on the DAM and the IDM during May 2022



Three new DAM/IDM participants were registered in May 2022. As of 31.05.2022, there were 555 agreements on participation in the DAM and the IDM. There are 36 electricity producers, 31 distribution system operators (DSO), 452 electricity suppliers, 29 traders, 5 consumers, the Transmission system operator and the Guaranteed Buyer also among the participants of the DAM/IDM.

There were no suspensions of participation in the DAM and the IDM in May 2022.

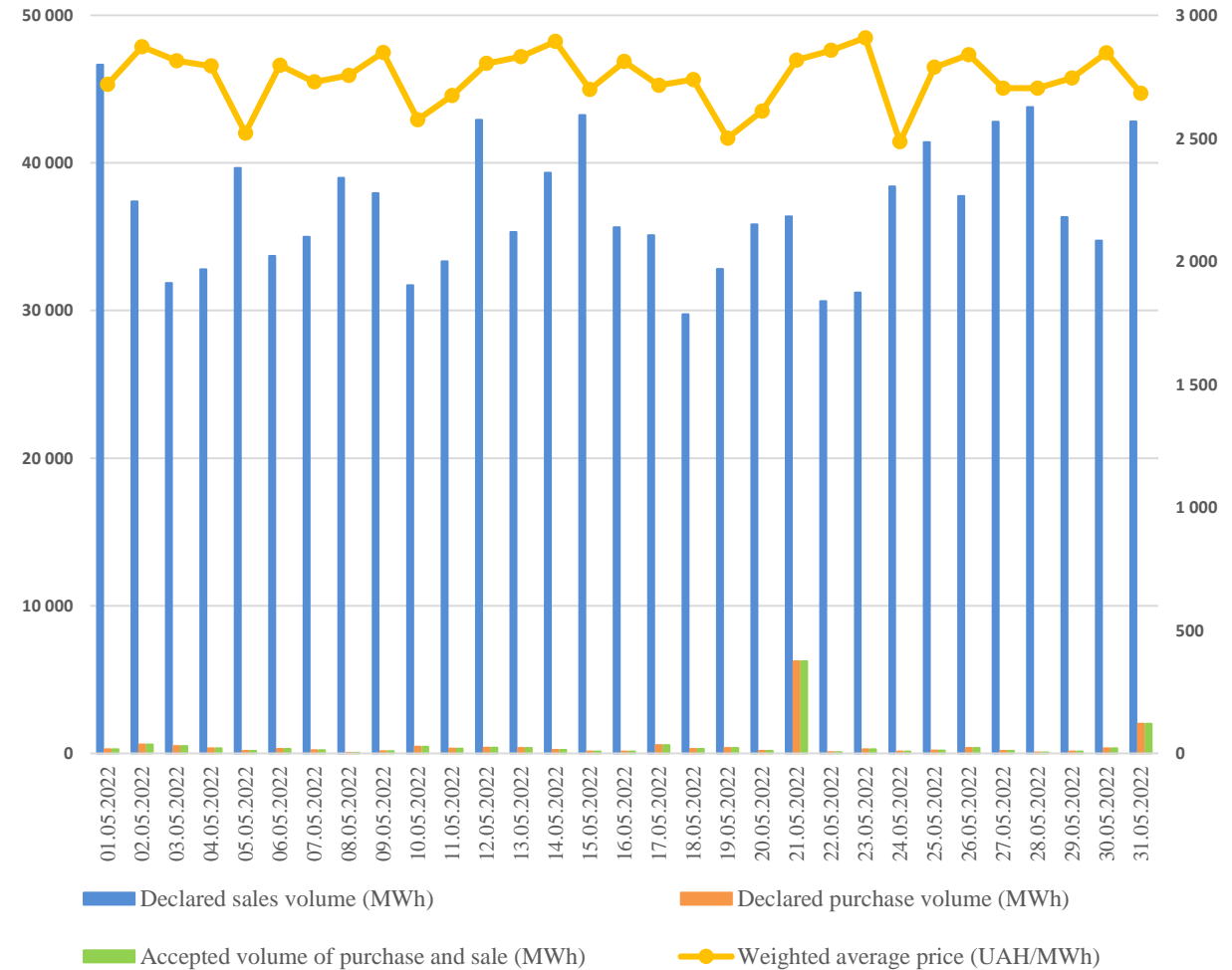
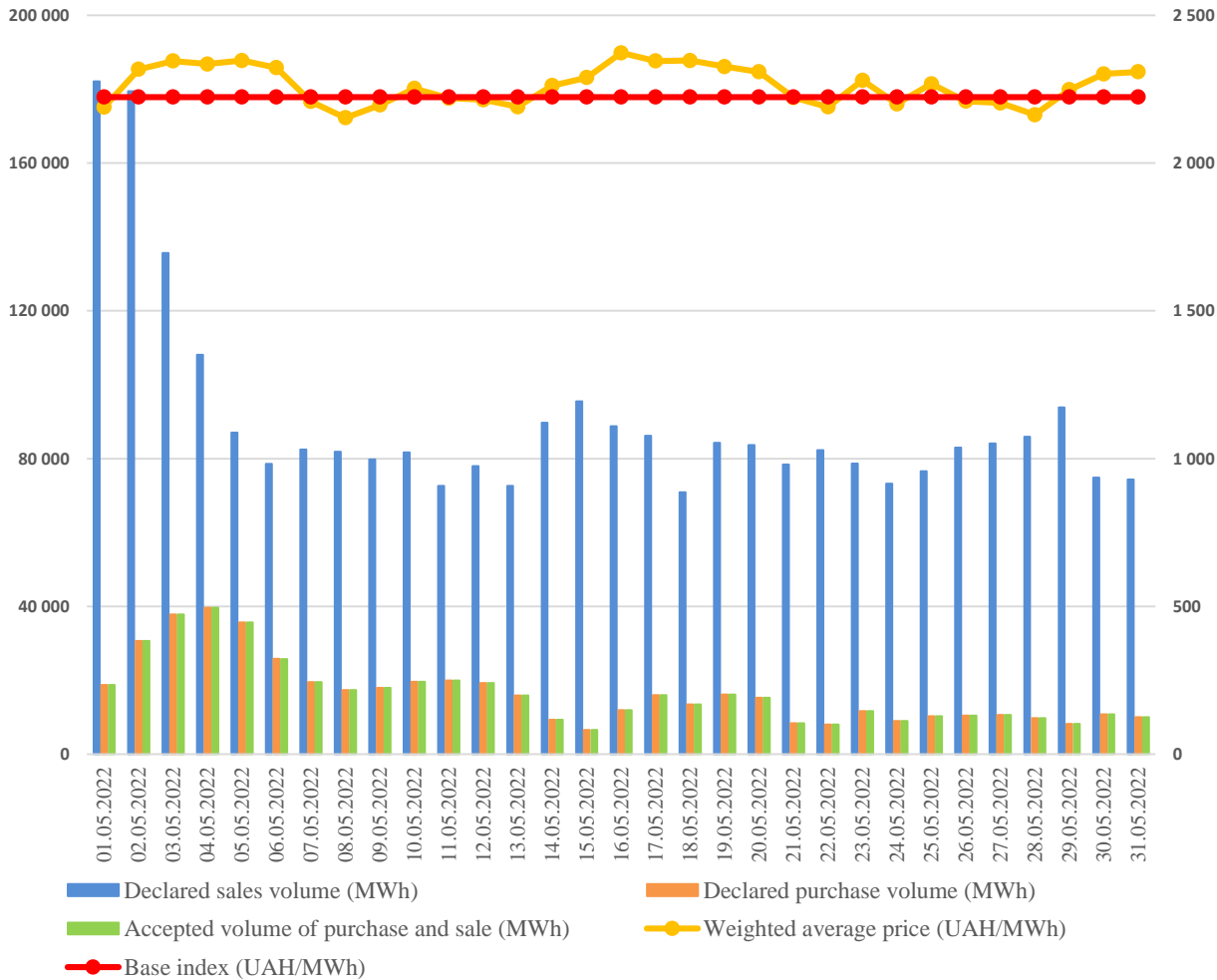
The participation of 3 participant in the DAM/IDM was terminated in accordance with the applications of such participants.

# Orders.

## Consolidated orders for sale and purchase on the DAM and IDM

### Day-ahead market

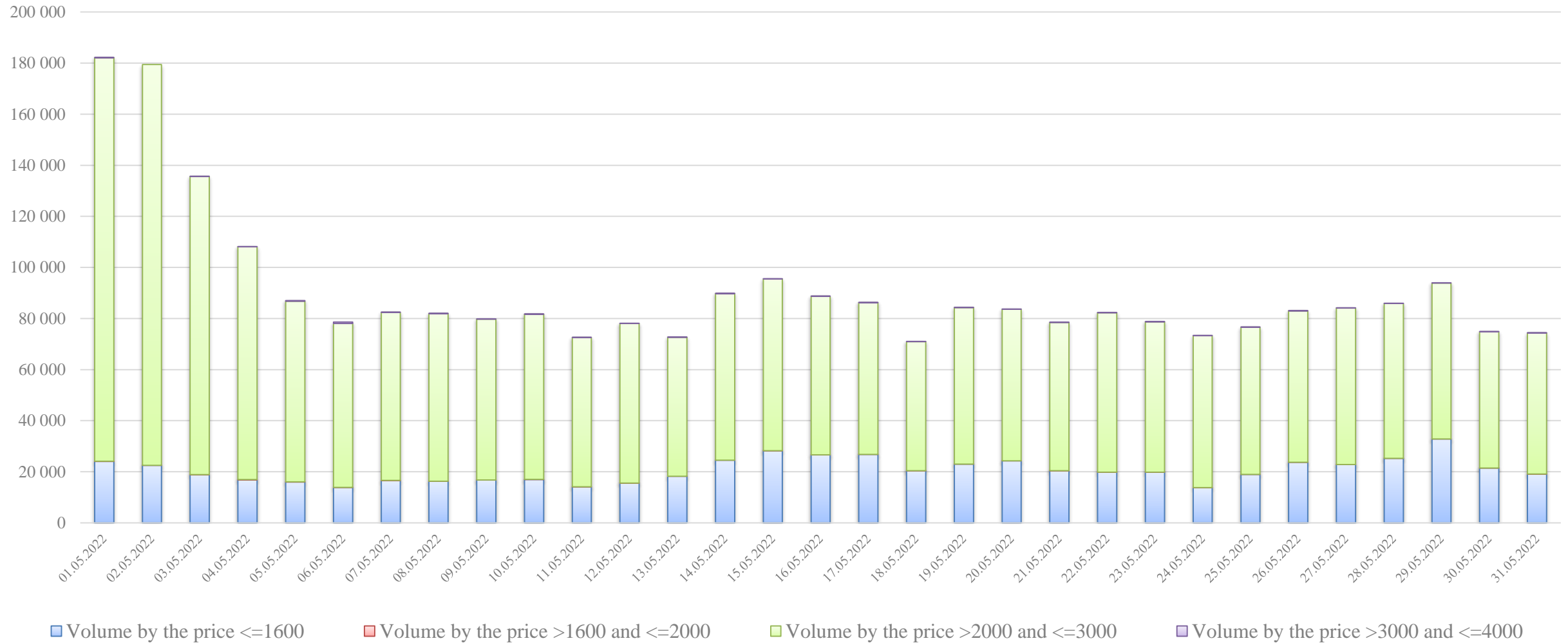
### Intraday market





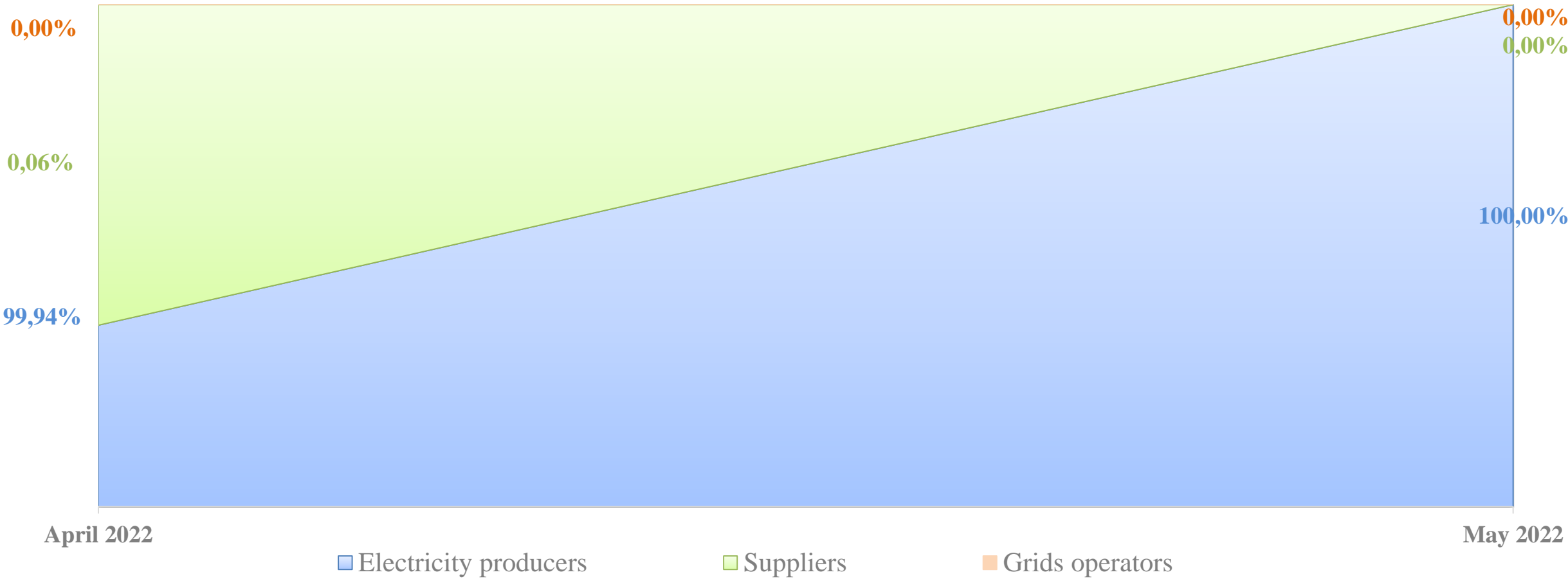
# Orders.

## DAM volumes of sale orders, ranking by the price in May 2022, MWh



# Orders.

## Comparison of the DAM sale orders structure

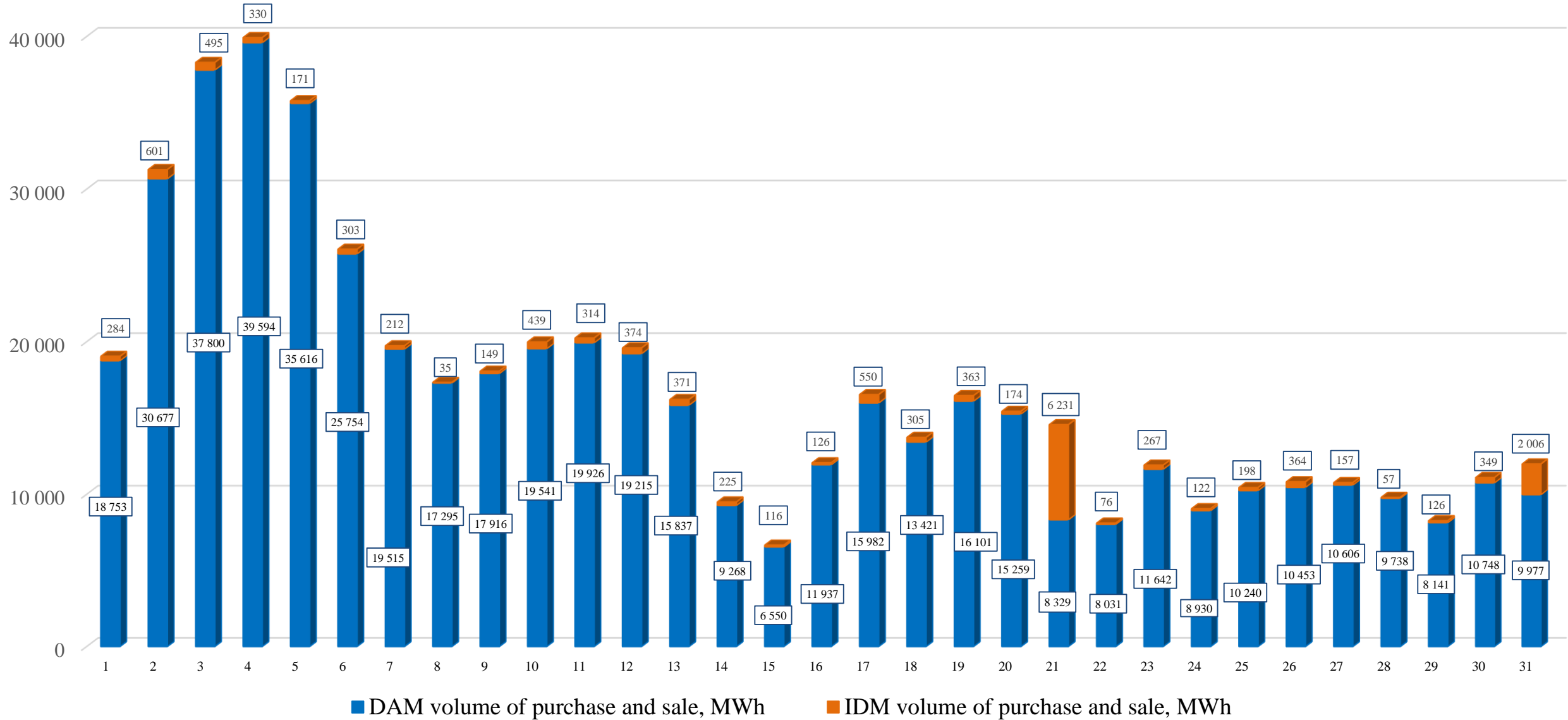


\* Guaranteed Buyers' declared sale volumes are included in the producers' declared sale volumes.

\*\*The amount of interest may differ from 100% due to rounding to 2 decimal places.



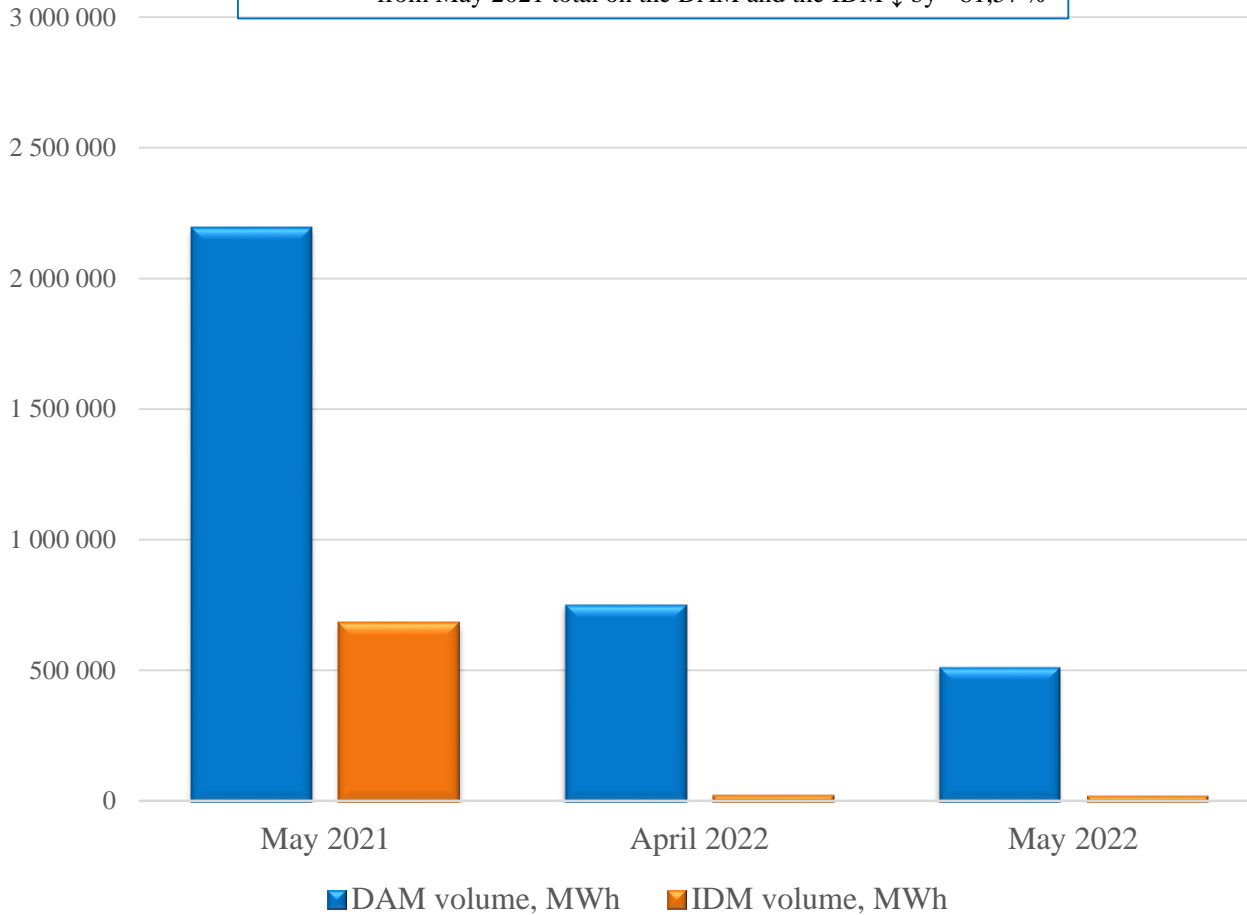
# Volume of trades on the DAM and the IDM in May 2022



# Comparison of volume and cost of electricity purchase and sale for May 2022, April 2022 and May 2021

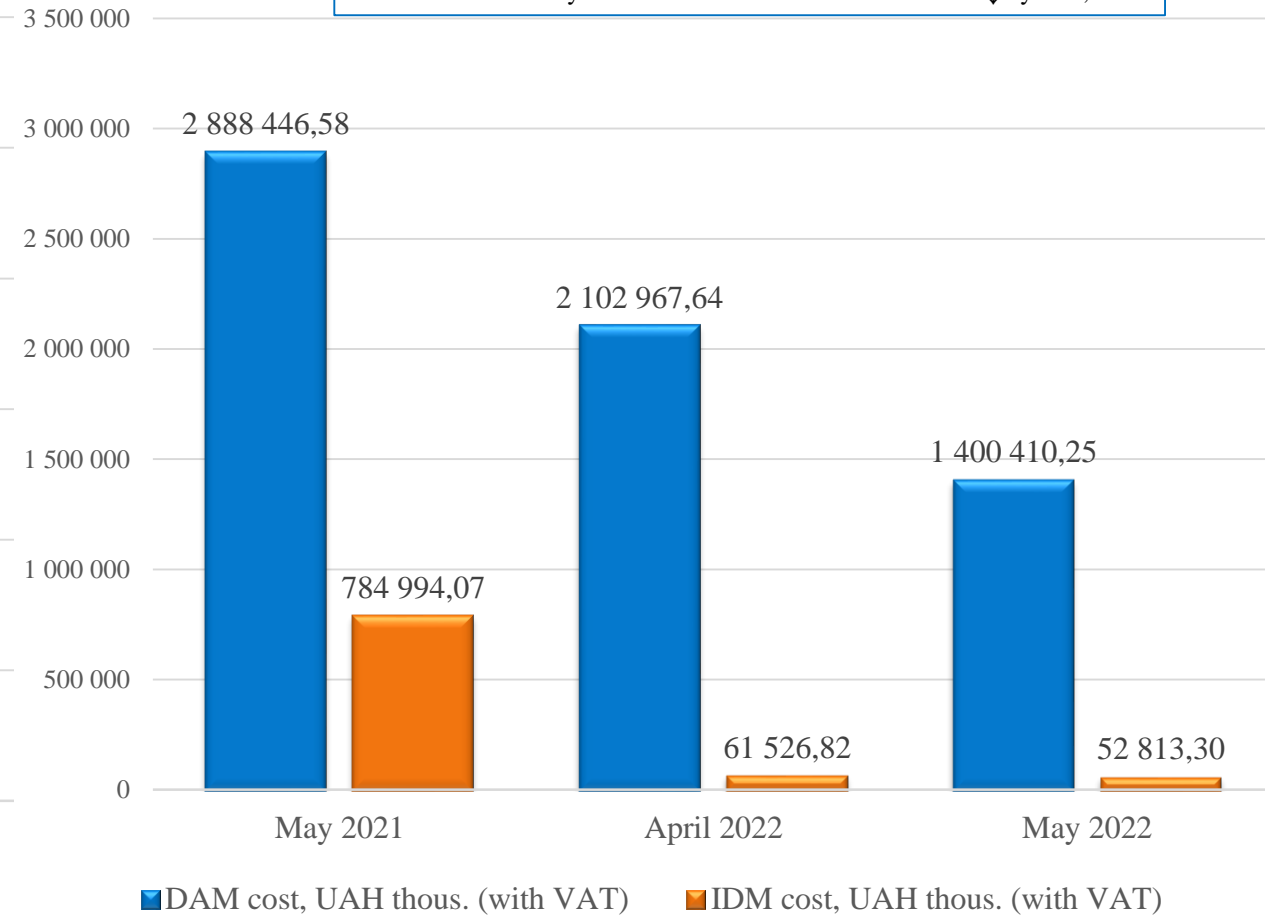
## Volume of trades

Deviation: from April 2022 total on the DAM and the IDM ↓ by -31,53 %  
from May 2021 total on the DAM and the IDM ↓ by - 81,57 %



## Cost

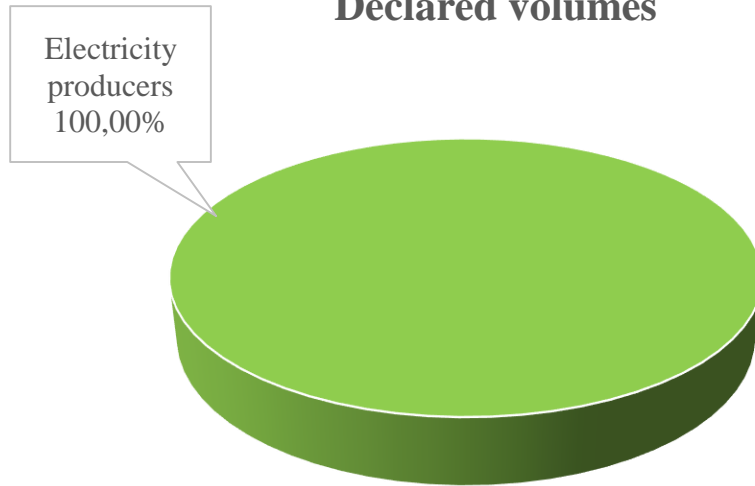
Deviation: from April 2022 total on the DAM and the IDM ↓ by -32,86 %  
from May 2021 total on the DAM and the IDM ↓ by - 60,44 %



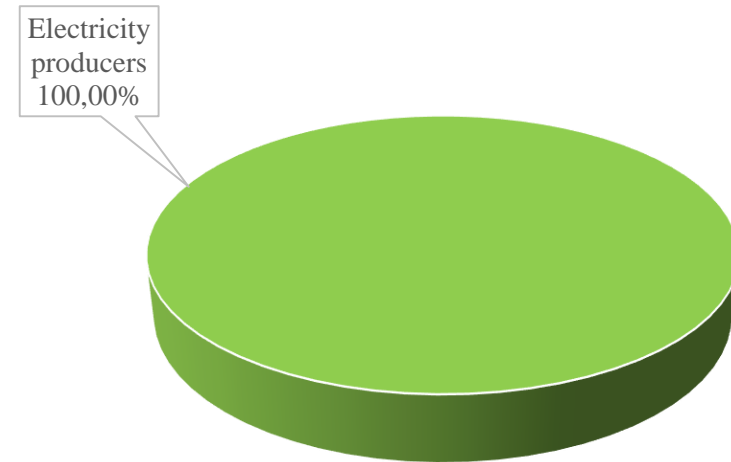
# Structure of DAM and IDM sale volumes for May 2022 by activity types, %

## Day-ahead market

### Declared volumes

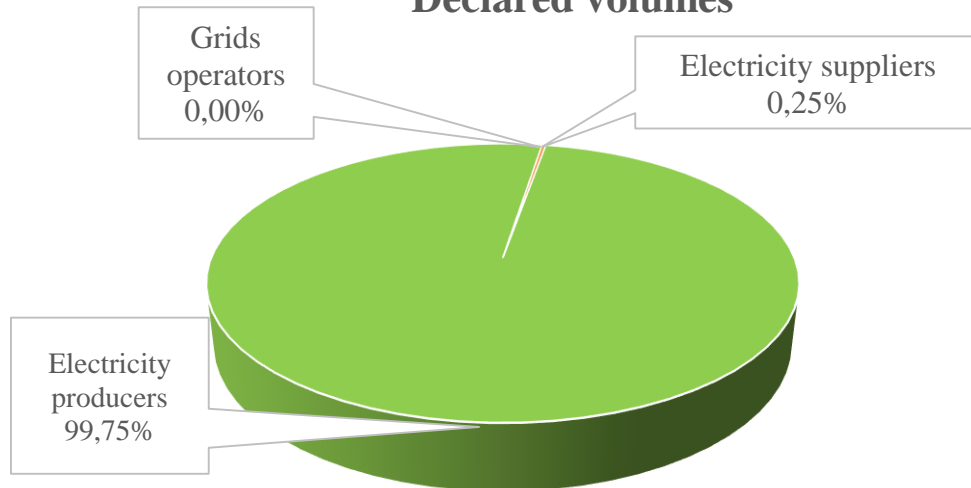


### Accepted volumes

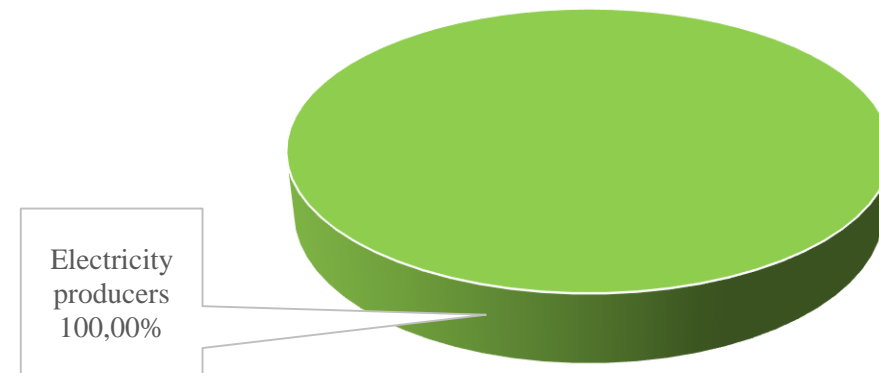


## Intraday market

### Declared volumes



### Accepted volumes

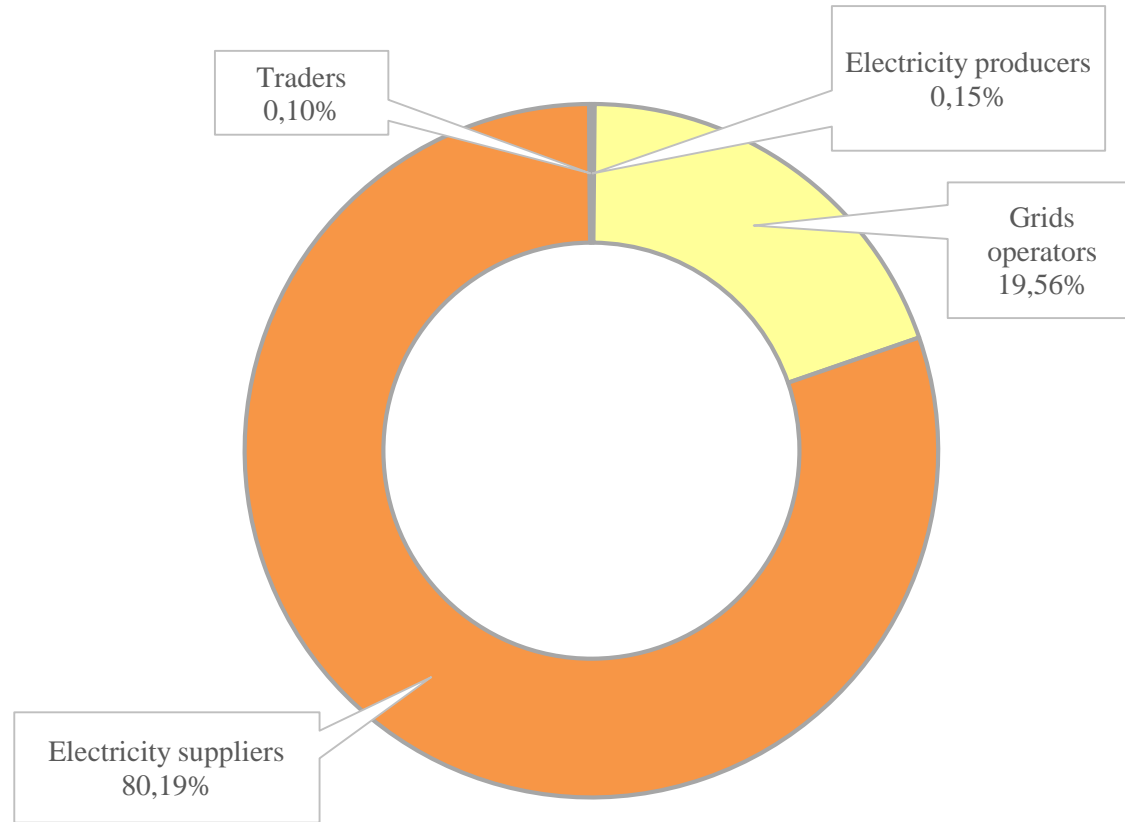


\*Guaranteed Buyers' declared sale volumes are included in the producers' declared sale volumes.

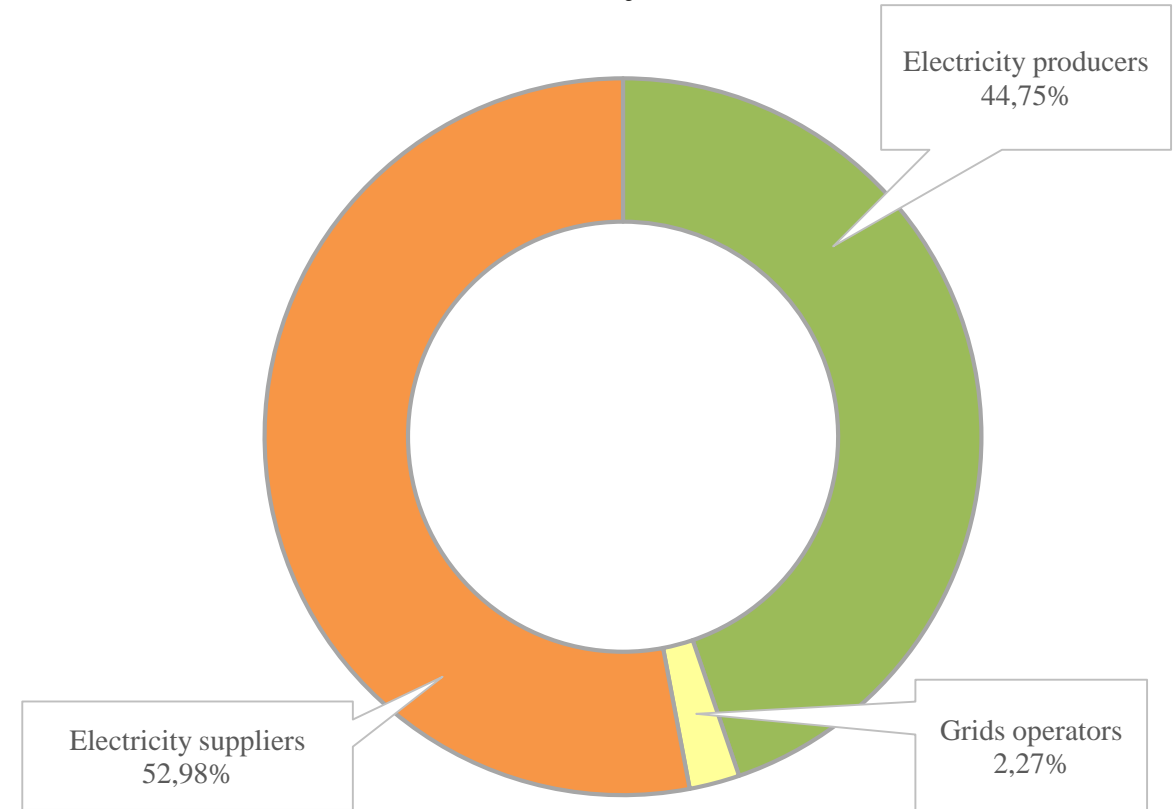
\*\*The amount of interest may differ from 100% due to rounding to 2 decimal places.

# Structure of DAM and IDM purchase volumes in May 2022, by activity types, %

## Day-ahead market



## Intraday market



\* Guaranteed Buyers' declared sale volumes are included in the producers' declared sale volumes.

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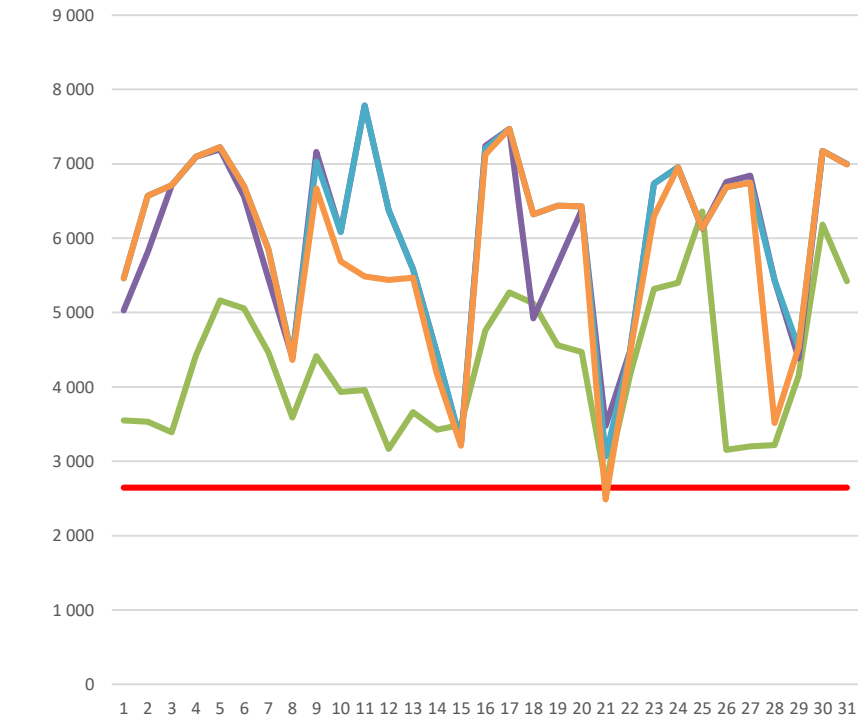
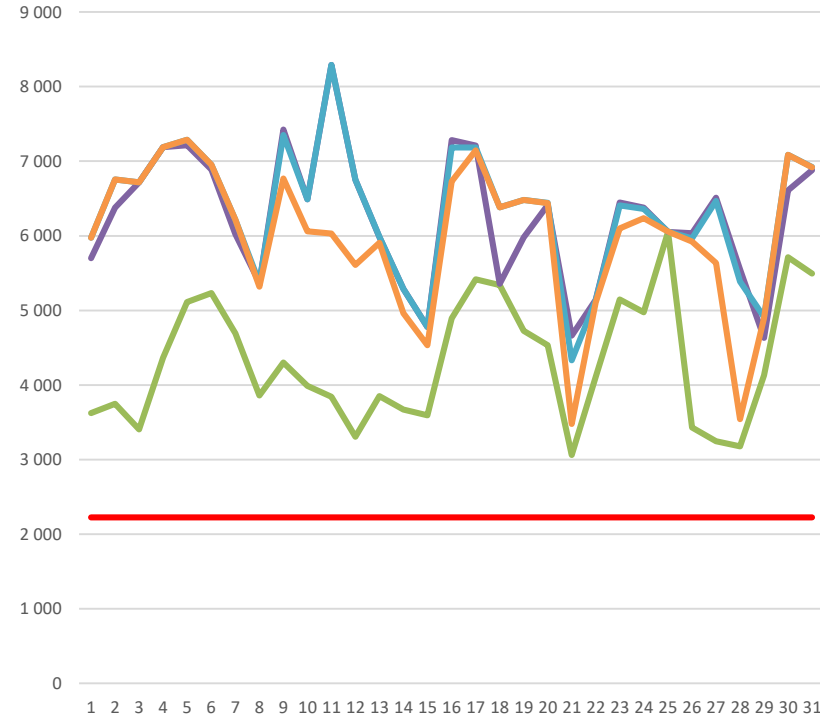
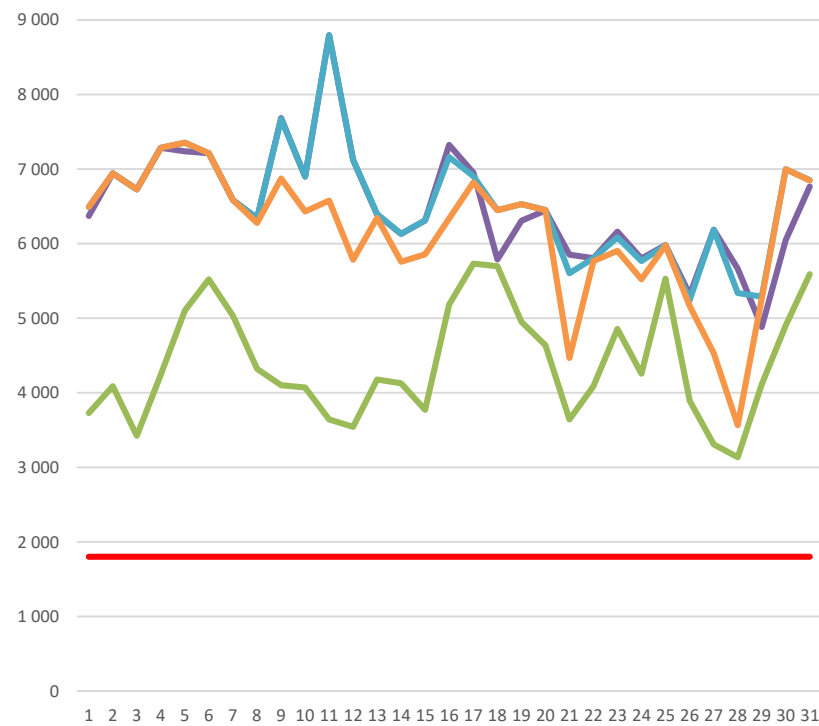
# DAM price indices.

## Comparison with price indices of European countries for May 2022, UAH/MWh

### Period Off-peak

### Period Base

### Period Peak



— Ukraine, IPS   
 — Poland   
 — Romania  
— Hungary   
 — Slovakia

— Ukraine, IPS   
 — Poland   
 — Romania  
— Hungary   
 — Slovakia

— Ukraine, IPS   
 — Poland   
 — Romania  
— Hungary   
 — Slovakia

# Prices. Comparison with prices in Europe for May 2022

	DAM		Comparison with other countries							
		UA	PL	RO		HU		SK		
Prices:			OEC/PL	OEC/RO	OEC/HU	OEC/SK				
BASE	грн./МВт.год	2 223,82	4 323,28	▼ -48,6%	6 245,81	▼ -64,4%	6 325,93	▼ -64,8%	6 014,49	▼ -63,0%
PEAK	грн./МВт.год	2 646,25	4 279,47	▼ -38,2%	5 999,14	▼ -55,9%	6 107,96	▼ -56,7%	5 866,37	▼ -54,9%
OFFPEAK	грн./МВт.год	1 801,40	4 399,47	▼ -59,1%	6 492,50	▼ -72,3%	6 543,89	▼ -72,5%	6 162,60	▼ -70,8%

The DAM average prices in May 2022 remain lower than the corresponding figures of neighboring countries by 48,6%-64,8%.

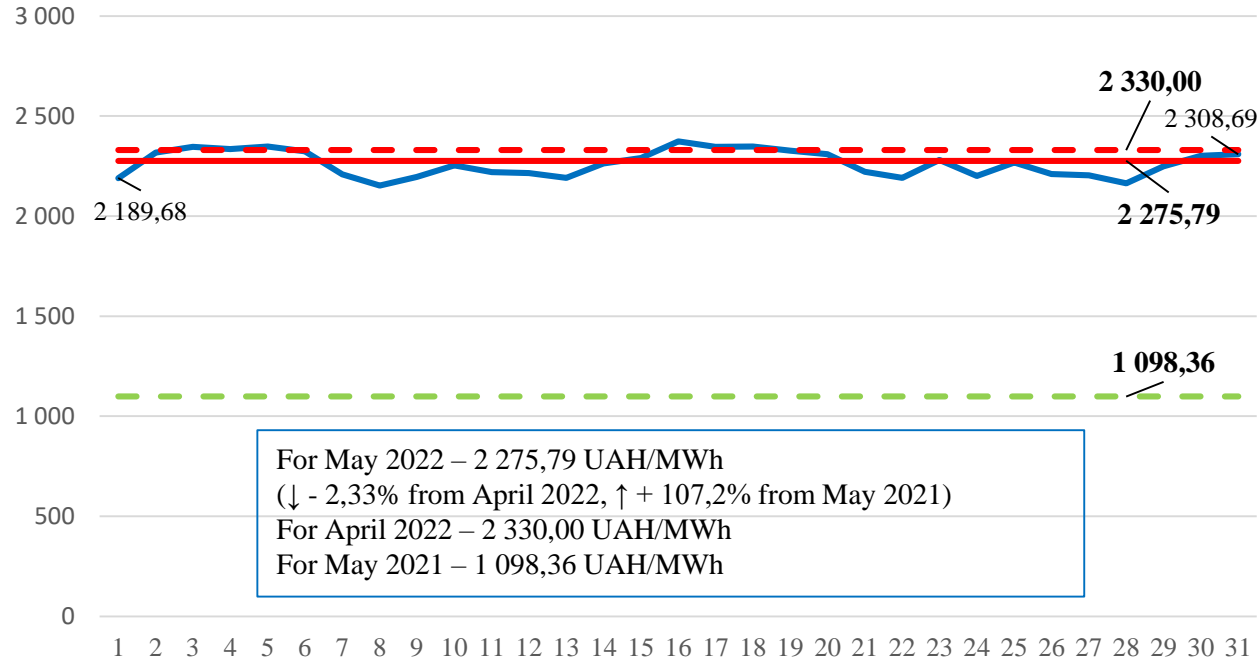
	IDM		Comparison with other countries			
		UA	SK	OEC/SK	CZ	OEC/CZ
Price:						
Weighted average	грн./МВт.год	2 770,10	5 879,74	▼ -52,9%	5 875,31	▼ -52,9%

The IDM weighted average prices in May 2022 are lower than the corresponding figures of the European countries by 52,9%.

# Prices.

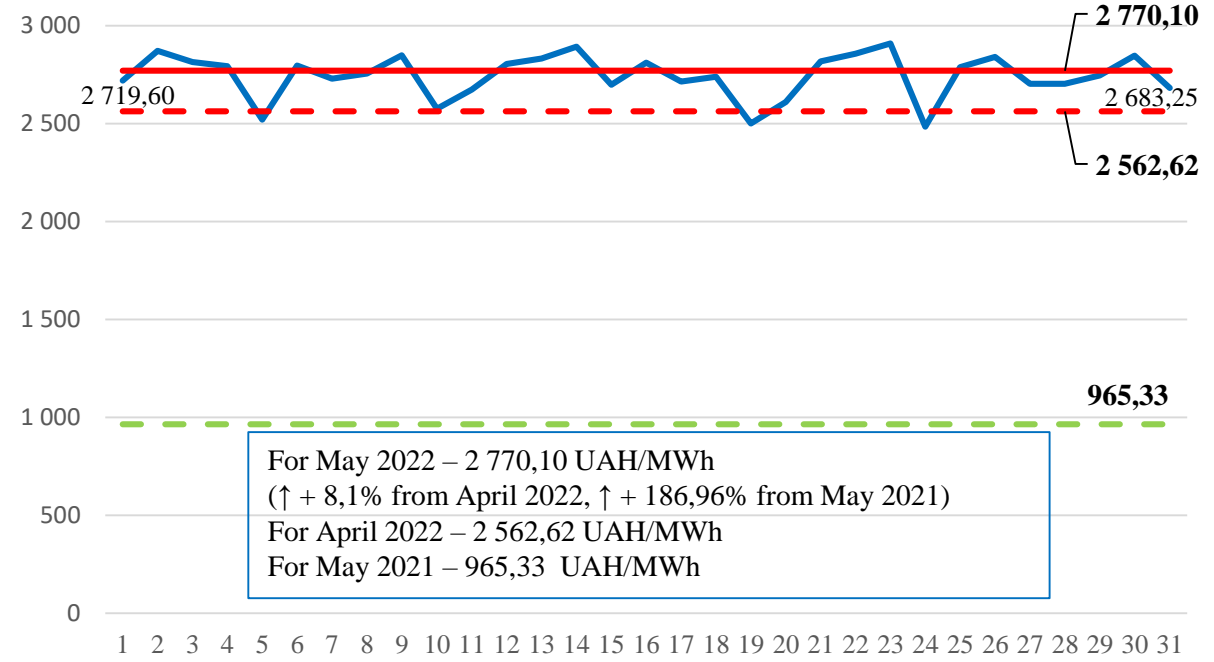
## Weighted average prices of electricity purchase and sale

### Day-ahead market



- DAM weighted average price, UAH/MWh
- DAM weighted average price for May 2022, UAH/MWh
- - DAM weighted average price for April 2022, UAH/MWh
- - DAM weighted average price for May 2021, UAH/MWh

### Intraday market



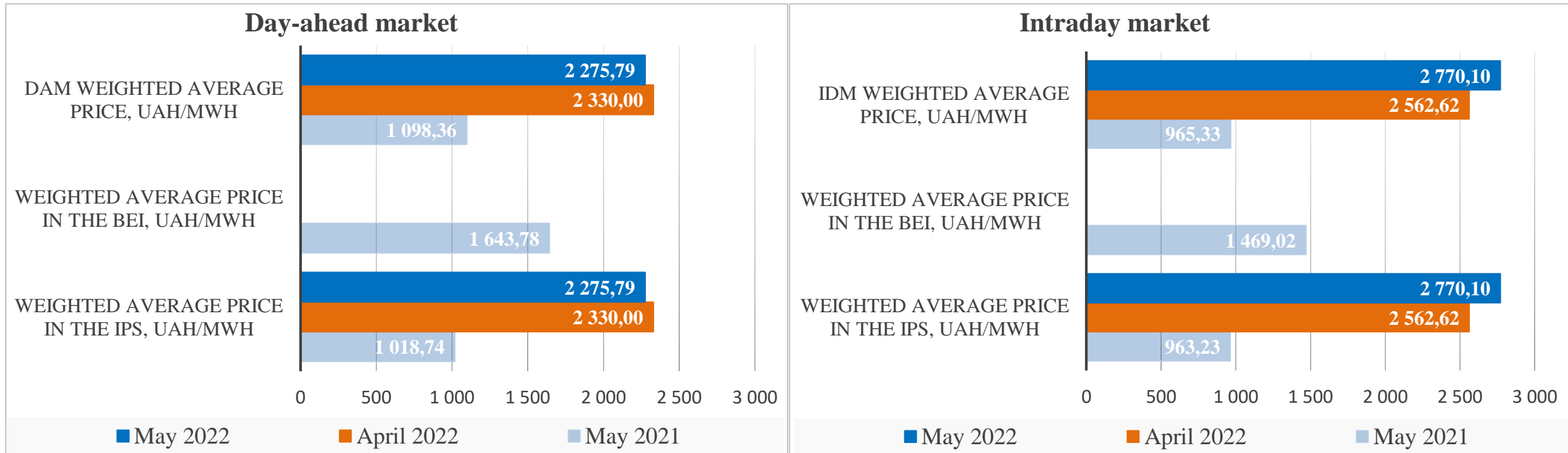
- IDM weighted average price, UAH/MWh
- IDM weighted average price for May 2022, UAH/MWh
- - IDM weighted average price for April 2022, UAH/MWh
- - IDM weighted average price for May 2021, UAH/MWh

\* - Усі ціни наведені без ПДВ

# Decade analysis of DAM and IDM weighted average prices for May 2022

Indicator	May 1 decade (01.05-10.05)	May 2 decade (11.05-20.05)	Change,%	May 3 decade (21.05-31.05)	Change,%
DAM weighted average price, UAH/MWh	2 287,60	2 281,99	↓ - 0,25%	2 238,46	↓ - 1,91%
IDM weighted average price, UAH/MWh	2 757,08	2 723,91	↓ - 1,20%	2 787,58	↑ + 2,34%

## Comparison of DAM and IDM weighted average prices for May, April 2022 and May 2021



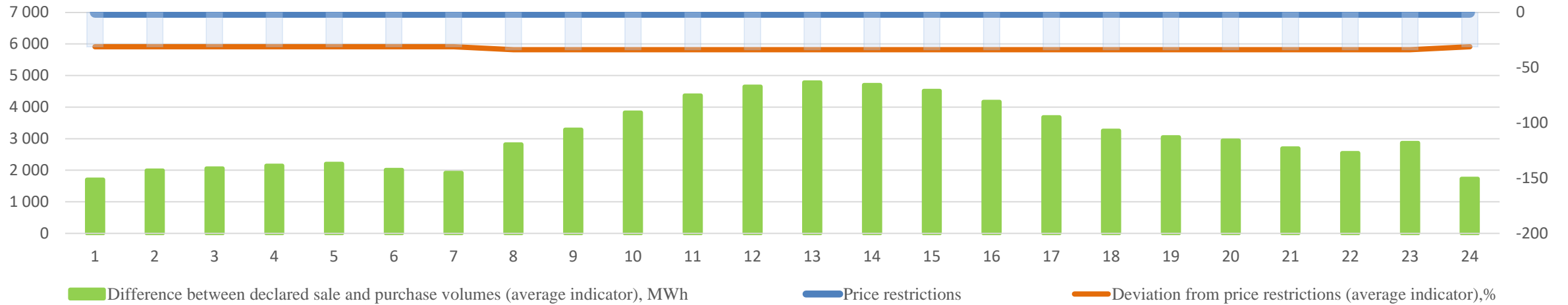
\* - All prices are net of VAT



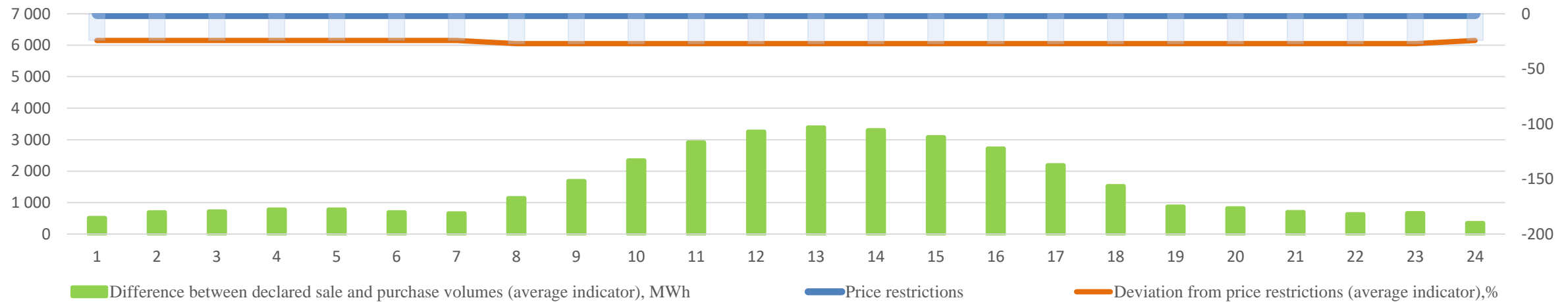
# Prices.

## Deviation of average hourly prices from price restrictions in May 2022

### Deviation of average hourly prices from price restrictions on the DAM

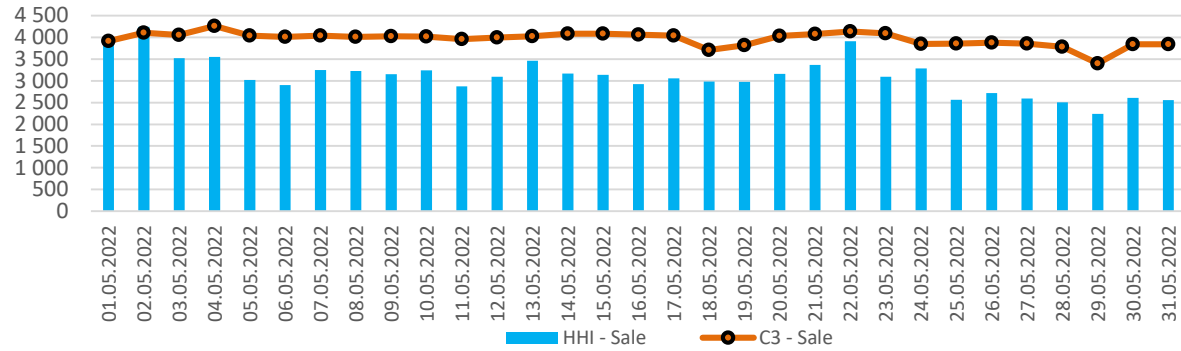


### Deviation of average hourly prices from price restrictions on the IDM

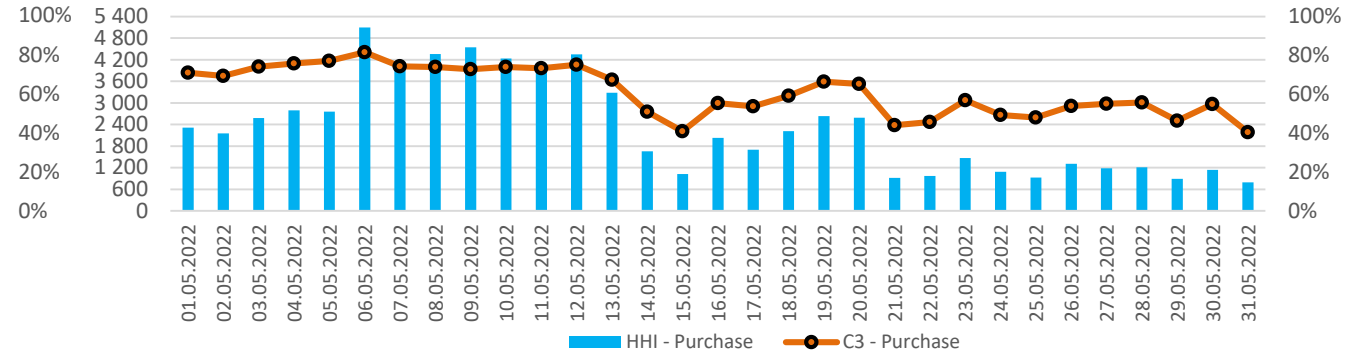


# Herfindahl-Hirschman Index (HHI) and Market Concentration Ratio (C3)

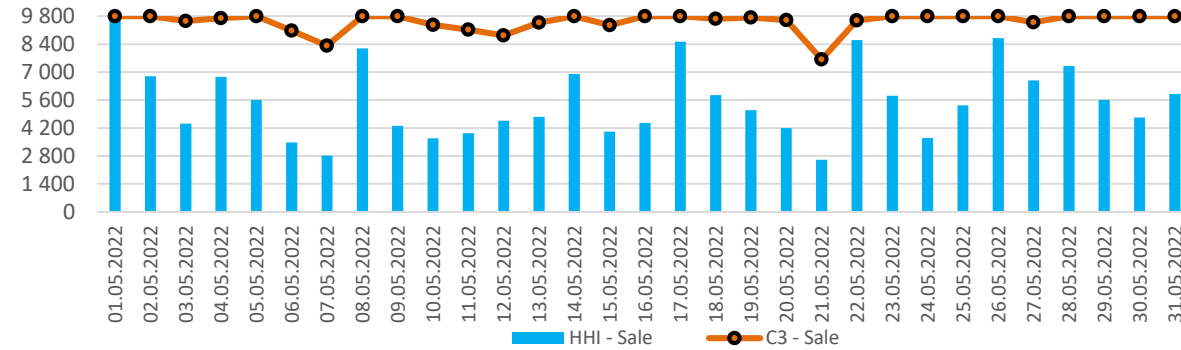
## Market concentration indices (DAM, sale)



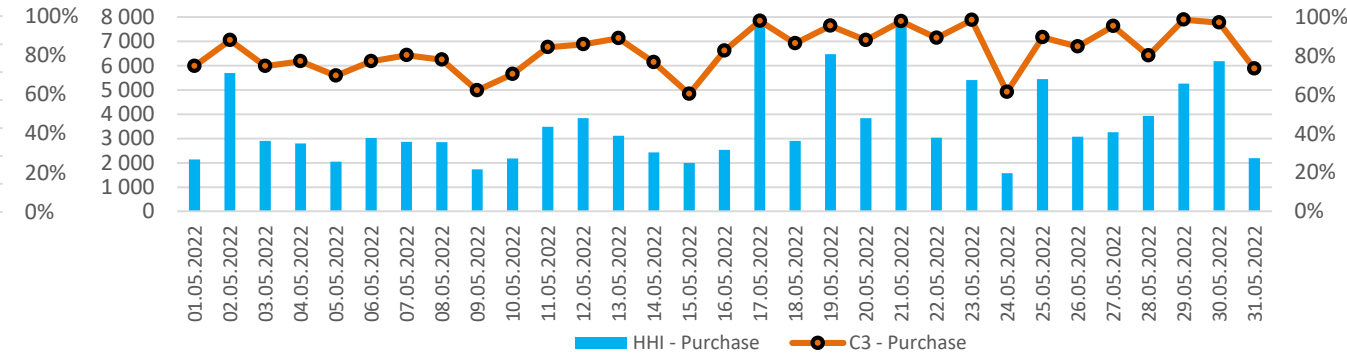
## Market concentration indices (DAM, purchase)



## Market concentration indices (IDM, sale)



## Market concentration indices (IDM, purchase)



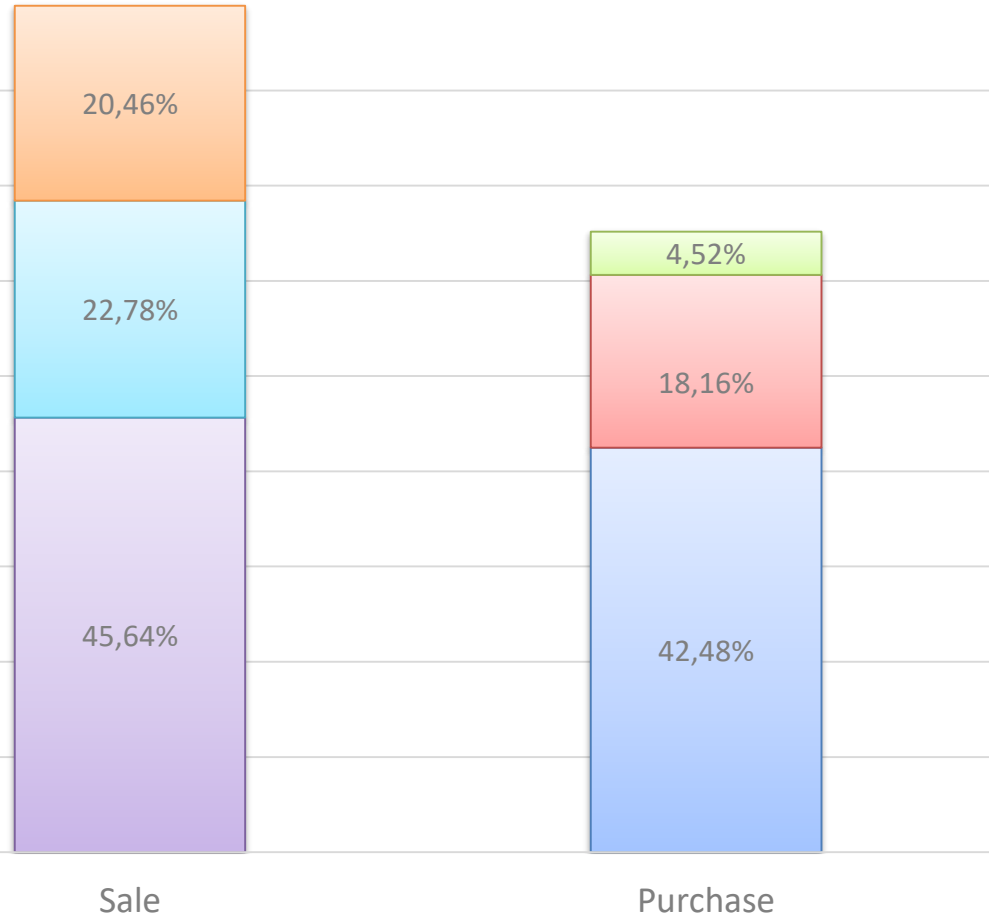
Indicator	Concentration		
	Low	Average	High
Market Concentration Index (C3)	less 45 %	45% - 70%	70% - 100%
Herfindahl-Hirschman Index (HHI)	less 1 000	1 000 – 1 800	1 800

**The Herfindahl-Hirschman Index (HHI)** is the sum of the market share squares of the participants during the purchase/sale transactions. Competition reacts to the share of each market participant during the analysis takes place. The higher the Herfindahl-Hirschman index is (higher concentration), the weaker the competition in the market.

**The Market Concentration Ratio (C3)** represents the percentage of the market share of the top three participants with the highest purchase/sale volumes. The higher the indicator is, the higher market concentration and the weaker the competition are.

# Share in the volume of purchase and sale of the three largest DAM and IDM participants

## Day-ahead market



## Intraday market

