

Comparative analysis of the market for 20 days of March 2023:

- 1. Analysis of the day-ahead market (DAM) operation;
- 2. Analysis of the intraday market (IDM) operation;
- 3. Comparative analysis of DAM prices in Ukraine, Romania, Slovak Republic and Hungary;
- 4. Comparative analysis of DAM and bilateral contracts market (BCM) prices.



Prices, traded and offered volumes on the DAM for the period: March 1-20, 2023





1 370 449,2 MWh were traded on the DAM in the two decade of March.

The largest traded volume of DAM was fixed in amount of 100 565,0 MWh on March 1 (Wednesday),

and the smallest one - in amount of **52 346,9 MWh** on **March 12 (Sunday)**.

The traded **sold** volume on the DAM was **38,97%** less than offered one for the 20 days of March 2023.

The traded **purchased** volume on the DAM was **0,04%** less than offered one for the same period.

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Date	DAM price (Product Base), UAH/MWh	DAM traded volume, MWh	DAM offered purchase volume, MWh	DAM offered sale volume, MWh	The difference between the DAM traded and offered purchase volume	The difference between the DAM traded and offered sale volume	
1 March 2023	3 257.67	100 565.0	100 653.0	152 292.4	-0.09%	-33.97%	
2 March 2023	3 299.41	88 370.5	88 386.6	134 789.5	-0.02%	-34.44%	
3 March 2023	3 302.29	88 695.8	88 910.4	141 233.3	-0.24%	-37.20%	
4 March 2023	3 286.17	68 876.6	69 132.7	118 664.9	-0.37%	-41.96%	
5 March 2023	3 119.79	65 299.8	65 311.1	130 387.5	-0.02%	-49.92%	
6 March 2023	3 290.38	80 052.0	80 053.3	121 094.0	0.00%	-33.89%	
7 March 2023	3 281.90	79 435.4	79 443.7	125 386.0	-0.01%	-36.65%	
8 March 2023	2 993.62	60 852.6	60 852.6	112 161.4	0.00%	-45.75%	
9 March 2023	3 132.66	62 643.6	62 645.4	112 707.5	0.00%	-44.42%	
10 March 2023	3 237.38	63 096.2	63 102.1	99 607.6	-0.01%	-36.66%	
11 March 2023	3 246.91	58 799.4	58 799.4	78 112.1	0.00%	-24.72%	
12 March 2023	2 956.96	52 346.9	52 346.9	83 656.3	0.00%	-37.43%	
13 March 2023	3 226.37	64 157.3	64 163.6	87 177.3	-0.01%	-26.41%	
14 March 2023	3 178.71	61 920.6	61 920.6	87 459.2	0.00%	-29.20%	
15 March 2023	2 962.04	63 365.1	63 366.1	110 654.7	0.00%	-42.74%	
16 March 2023	3 006.46	65 595.4	65 597.0	118 659.8	0.00%	-44.72%	
17 March 2023	2 977.08	62 810.9	62 810.9	116 611.1	0.00%	-46.14%	
18 March 2023	2 957.25	59 126.9	59 131.4	107 772.8	-0.01%	-45.14%	
19 March 2023	2 999.04	59 126.2	59 126.2	102 107.2	0.00%	-42.09%	
20 March 2023	3 117.17	65 313.0	65 313.0	104 928.4	0.00%	-37.75%	
Total for period	3 141.46	1370 449.2	1371 066.0	2245 463.0	-0.04%	-38.97%	

Prices, traded and offered volumes on the IDM for the period: March 1-20, 2023

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Date	IDM weighted average price, UAH/MWh IDM traded volume, M		IDM offered purchase volume, MWh	The difference between the IDM traded and offered purchase volume	The difference between the IDM traded and offered sale volume	
1 March 2023	3 333.37	1 805.1	1 805.1	54 613.0	0.00%	-96.69%
2 March 2023	3 605.45	1 607.7	1 607.7	49 995.4	0.00%	-96.78%
3 March 2023	3 468.48	1 952.5	1 952.5	95 044.7	0.00%	-97.95%
4 March 2023	3 375.84	2 290.8	2 290.8	52 991.3	0.00%	-95.68%
5 March 2023	3 335.50	2 417.4	2 417.4	48 984.3	0.00%	-95.06%
6 March 2023	3 839.32	2 146.7	2 146.7	43 660.1	0.00%	-95.08%
7 March 2023	3 791.91	1 828.1	1 828.1	34 693.0	0.00%	-94.73%
8 March 2023	3 316.01	1503.1	1 503.1	50 522.4	0.00%	-97.02%
9 March 2023	3 609.94	11 399.2	12 001.0	60 080.2	-5.01%	-81.03%
10 March 2023	3 441.28	2 555.5	2 555.5	33 748.6	0.00%	-92.43%
11 March 2023	3 768.41	3 148.0	3 148.0	12 236.7	0.00%	-74.27%
12 March 2023	3 617.51	2 047.0	2 047.0	23 560.9	0.00%	-91.31%
13 March 2023	3 719.16	1 528.0	1 528.0	17 732.7	0.00%	-91.38%
14 March 2023	3 584.52	1 640.9	1 640.9	17 327.4	0.00%	-90.53%
15 March 2023	3 379.96	1 673.3	1 673.3	23 768.9	0.00%	-92.96%
16 March 2023	3 373.36	2 870.8	2 870.8	29 231.3	0.00%	-90.18%
17 March 2023	3 454.22	2 988.5	2 988.5	32 854.5	0.00%	-90.90%
18 March 2023	3 228.84	2 471.5	2 471.5	40 171.5	0.00%	-93.85%
19 March 2023	3 352.33	1074.2	1 074.2	26 814.3	0.00%	-95.99%
20 March 2023	3 642.65	1 228.0	1 228.0	24 272.9	0.00%	-94.94%
Total for period	3 528.26	50 176.3	50 778.1	772 304.1	-1.19%	-93.50%

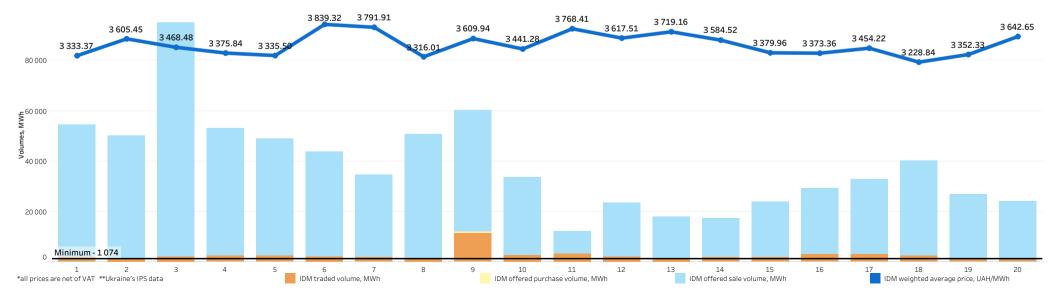
50 176,3 MWh were traded on the IDM in the two decade of March.

The largest traded volume of IDM was fixed in amount of 11 399,2 MWh on March 9 (Thursday),

and the smallest one - in amount of 1074,2 MWh on March 19 (Sunday).

The traded **sold** volume on the IDM was **93,50%** less than offered one for the 20 days of March 2023.

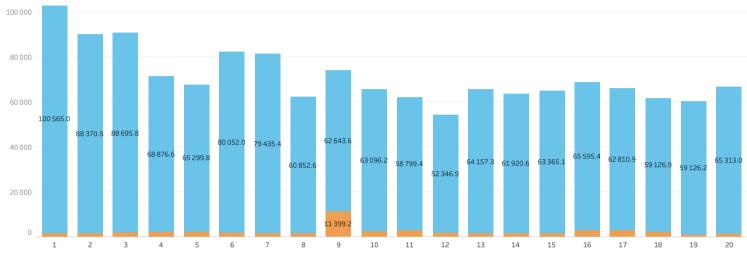
The traded **purchased** volume on the IDM was **1,19%** less than offered one for the same period.



Distribution of the electricity traded volumes on the DAM and IDM for the period: March 1-20, 2023



Distribution of traded volumes on the DAM and IDM



Volumes on the DAM and IDM

Date			The share of the DAM volume in the total volume		The share of the IDM volume in the total volume
1 March 2023	102 370.1	100 565.0	98.24%	1 805.1	1.76%
2 March 2023	89 978.2	88 370.5	98.21%	1 607.7	1.79%
3 March 2023	90 648.3	88 695.8	97.85%	1 952.5	2.15%
4 March 2023	71 167.4	68 876.6	96.78%	2 290.8	3.22%
5 March 2023	67 717.2	65 299.8	96.43%	2 417.4	3.57%
6 March 2023	82 198.7	80 052.0	97.39%	2 146.7	2.61%
7 March 2023	81 263.5	79 435.4	97.75%	1 828.1	2.25%
8 March 2023	62 355.7	60 852.6	97.59%	1 503.1	2.41%
9 March 2023	74 042.8	62 643.6	84.60%	11 399.2	15.40%
10 March 2023	65 651.7	63 096.2	96.11%	2 555.5	3.89%
11 March 2023	61 947.4	58 799.4	94.92%	3 148.0	5.08%
12 March 2023	54 393.9	52 346.9	96.24%	2 047.0	3.76%
13 March 2023	65 685.3	64 157.3	97.67%	1 528.0	2.33%
14 March 2023	63 561.5	61 920.6	97.42%	1 640.9	2.58%
15 March 2023	65 038.4	63 365.1	97.43%	1 673.3	2.57%
16 March 2023	68 466.2	65 595.4	95.81%	2 870.8	4.19%
17 March 2023	65 799.4	62 810.9	95.46%	2 988.5	4.54%
18 March 2023	61 598.4	59 126.9	95.99%	2 471.5	4.01%
19 March 2023	60 200.4	59 126.2	98.22%	1 074.2	1.78%
20 March 2023	66 541.0	65 313.0	98.15%	1 228.0	1.85%
Total for period	1 420 625.5	1 370 449.2	96.47%	50 176.3	3.53%

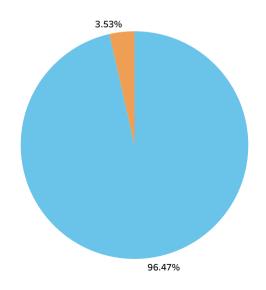
The **total traded** amount of electricity within the two market segments amounted to **1 420 625,5 MWh** in the two decade of March 2023.

The share of the DAM was 96,47% or 1 370 449,2 MWh in the total volume, while the share of the IDM was almost 3,53% or 50 176,3 MWh.

The largest traded volume within the two market segments was fixed in amount of 102 370,1 MWh on March 1 (Wednesday), as well as the smallest one - in amount of 54 393,9 MWh on March 12 (Sunday).

DAM traded volume, MWh

IDM traded volume, MWh



The DAM prices for the period: March 1-20, 2023

The DAM prices comparison: price (Product Base) and weighted average price





The DAM prices

Date	DAM price (Product Base), UAH/MWh	Comparison of the DAM price with the previous day	DAM weighted average price, UAH/MWh	The difference between the DAM weighted average price and the DAM price (Product Base), UAH/MWh	DAM price (Product Peak), UAH/MWh	DAM price (Product OffPeak), UAH/MWh
1 March 2023	3 257.67	-14.96%	3 406.02	+148.35	3 887.67	2 627.67
2 March 2023	3 299.41	1.28%	3 476.89	+177.48	3 973.42	2 625.40
3 March 2023	3 302.29	0.09%	3 500.95	+198.66	3 967.08	2 637.50
4 March 2023	3 286.17	-0.49%	3 398.39	+112.22	3 924.91	2 647.43
5 March 2023	3 119.79	-5.06%	3 225.22	+105.43	3 652.58	2 587.00
6 March 2023	3 290.38	5.47%	3 429.07	+138.69	3 949.48	2 631.28
7 March 2023	3 281.90	-0.26%	3 408.62	+126.72	3 928.29	2 635.50
8 March 2023	2 993.62	-8.78%	3 116.46	+122.84	3 576.58	2 410.67
9 March 2023	3 132.66	4.64%	3 244.05	+111.39	3 760.42	2 504.90
10 March 2023	3 237.38	3.34%	3 331.54	+94.16	3 920.50	2 554.26
11 March 2023	3 246.91	0.29%	3 348.66	+101.75	3 946.20	2 547.63
12 March 2023	2 956.96	-8.93%	3 061.00	+104.04	3 476.00	2 437.92
13 March 2023	3 226.37	9.11%	3 340.30	+113.93	3 843.58	2 609.15
14 March 2023	3 178.71	-1.48%	3 278.82	+100.11	3 770.50	2 586.92
15 March 2023	2 962.04	-6.82%	3 061.10	+99.06	3 466.58	2 457.50
16 March 2023	3 006.46	1.50%	3 112.11	+105.65	3 537.25	2 475.67
17 March 2023	2 977.08	-0.98%	3 095.42	+118.34	3 594.83	2 359.33
18 March 2023	2 957.25	-0.67%	3 064.94	+107.69	3 559.75	2 354.75
19 March 2023	2 999.04	1.41%	3 113.82	+114.78	3 581.17	2 416.92
20 March 2023	3 117.17	3.94%	3 241.49	+124.32	3 724.83	2 509.50
Average indicator	3 141.46		3 281.66	+140.20	3 752.08	2 530.84

For the period of March 1-20, 2023:

DAM price (Product Base) was 3 141,46 UAH/MWh,
DAM weighted price was 3 281,66 UAH/MWh,
DAM price (Product Peak) was 3 752,08 UAH/MWh,
DAM price (Product OffPeak) was 2 530,84 UAH/MWh,

The highest price of the DAM (Product Base) was fixed in amount of 3 302,29 UAH/MWh on March 3 (Friday), and the lowest one - in amount of 2 956,96 UAH/MWh on March 12 (Sunday).

The highest weighted average price on the DAM was fixed in amount of 3 500,95 UAH/MWh on March 3 (Friday), and the lowest one - in amount of 3 061,00 UAH/MWh on March 12 (Sunday).

The difference between the weighted average price on the DAM and the DAM price (Product Base) was **140,20 UAH/MWh** in the two decade of March 2023.



The largest difference in the hour between weighted average price on the IDM and on the DAM price (Product Base) was recorded at 9 a.m. on March 9 and amounted to 330,41 UAH/MWh.

The difference between hourly prices: the DAM price (Product Base) and weighted average price of the IDM, UAH/MWh

	Timeline (hour)											Timelin	e (hour)											
Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01.03.2023	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-38.00	-38.00	-38.00	-38.00	-77.96	-73.24	-73.24	-73.24	-38.00	-38.00	-2.00	-2.00	-38.00	-38.00	-38.00	-73.24	-2.00
02.03.2023	-2.00	-2.00	-25.00	-27.00	-27.00	-2.00	-10.00	-40.00	-38.00	-20.00	-3.00	-40.00	-38.00	-38.00	-38.00	-38.00	-38.00	-4.00	-4.00	-20.00	-50.00	-78.30	-70.00	-36.90
03.03.2023	-10.00	-10.00	-28.00	-29.00	-29.00	-22.00	-10.00	-56.00	-41.00	-40.00	-40.00	-40.00	-40.00	-40.00	-40.00	-40.00	-40.00	-5.00	-5.00	-24.00	-24.00	-40.00	-70.00	-22.00
04.03.2023	-1.00	-1.00	-15.57	-25.00	-25.00	-17.25	-1.00	-62.00	-73.23	-40.00	-37.60	-40.00	-78.06	-78.06	-78.06	-78.06	-45.00	-4.00	-4.00	-4.00	-4.00	-40.00	-38.00	-1.00
05.03.2023	-10.00	-25.00	-38.88	-38.88	-38.88	-39.14	-39.14	-72.80	-72.80	-73.10	-70.60	-70.60	-70.60	-70.60	-70.60	-70.60	-70.60	-58.00	-58.00	-58.00	-77.76	-77.76	-58.00	-25.00
06.03.2023	-10.00	-25.00	-39.14	-39.14	-39.14	-25.00	-5.00	-64.00	-62.00	-62.00	-62.00	-62.00	-62.00	-62.00	-62.00	-62.00	-62.00	-24.00	-12.07	-12.15	-37.60	-62.00	-62.00	-5.00
07.03.2023	-10.00	-25.00	-27.00	-36.00	-39.20	-27.00	-10.00	-48.00	-48.00	-48.00	-48.00	-48.00	-48.00	-48.00	-73.23	-48.00	-48.00	-48.00	-45.00	-45.00	-45.00	-48.00	-48.00	-10.00
08.03.2023	-39.00	-36.80	-34.00	-34.00	-34.00	-36.80	-39.00	-72.12	-72.12	-52.00	-78.20	-72.12	-66.60	-66.60	-66.46	-66.60	-72.12	-72.12	-73.23	-73.25	-72.12	-72.12	-71.80	-36.80
09.03.2023	-39.00	-36.92	-36.89	-34.00	-34.00	-36.92	-39.00	-147.69	-330.41	-83.29	-50.00	-65.00	-75.00	-75.11	-75.90	-76.12	-73.60	-38.00	-38.00	-38.00	-38.00	-65.00	-73.60	-17.00
10.03.2023	-38.94	-36.92	-36.92	-36.92	-36.92	-38.94	-39.00	-73.40	-73.40	-30.00	-30.00	-72.00	-72.00	-72.00	-72.00	-72.00	-72.00	-72.00	-30.00	-30.00	-72.00	-72.00	-72.00	-30.89
11.03.2023	-9.80	-36.92	-36.92	-36.92	-34.20	-36.92	-24.39	-72.94	-73.40	-29.76	-23.52	-23.14	-9.89	-24.31	-40.00	-55.00	-55.00	-55.00	0.00	0.00	-1.00	-55.00	-55.00	-24.24
12.03.2023	-36.92	-36.64	-34.20	-33.80	-36.92	-34.20	-36.64	-66.36	-66.36	-65.20	-66.36	-66.36	-66.36	-66.36	-66.36	-66.60	-73.60	-73.60	-73.00	-73.00	-73.00	-73.00	-73.60	-38.74
13.03.2023	-11.22	-38.00	-37.02	-37.02	-38.00	-38.00	-1.00	-70.00	-73.50	-66.60	-73.16	-77.00	-77.00	-77.00	-77.00	-77.00	-77.00	-78.00	0.00	0.00	0.00	-78.00	-78.00	-39.20
14.03.2023	-22.00	-32.00	-37.10	-37.10	-37.10	-32.00	-1.00	-71.00	-71.00	-73.14	-73.36	-73.16	-73.16	-73.16	-73.60	-73.60	-73.80	-32.00	0.00	0.00	0.00	-32.00	-73.80	-22.00
15.03.2023	-37.10	-36.60	-34.40	-34.40	-36.60	-34.40	-36.00	-73.04	-66.70	-63.70	-64.38	-66.28	-66.36	-66.28	-66.28	-66.28	-73.36	-73.80	-36.00	-36.00	-36.00	-73.80	-73.80	-37.10
16.03.2023	-37.10	-37.10	-37.00	-37.10	-37.10	-37.10	-22.00	-73.60	-73.60	-73.56	-73.52	-66.80	-66.18	-66.80	-66.80	-73.52	-67.00	-73.56	-73.80	-73.80	-73.80	-73.80	-73.80	-37.10
17.03.2023	-34.50	-33.70	-32.10	-31.10	-32.10	-34.30	-37.00	-73.56	-73.56	-73.56	-73.52	-73.52	-73.00	-73.52	-66.90	-73.52	-67.10	-67.10	-73.56	-73.90	-73.56	-73.56	-73.56	-37.20
18.03.2023	-37.10	-33.70	-31.20	-31.20	-31.20	-33.80	-34.60	-67.00	-67.00	-73.26	-67.00	-73.26	-72.00	-67.00	-73.48	-67.00	-67.50	-73.80	-73.80	-38.00	-73.80	-73.80	-38.00	-38.50
19.03.2023	-37.00	-34.60	-33.70	-31.20	-31.20	-34.60	-37.00	-66.20	-67.00	-73.14	-73.14	-67.00	-67.00	-67.00	-73.14	-67.00	-67.50	-42.00	-40.00	-40.00	-40.00	-42.00	-40.00	-37.00
20.03.2023	-23.00	-34.60	-34.20	-34.20	-34.20	-36.80	-23.00	-73.40	-73.40	-73.14	-73.14	-73.26	-73.08	-73.08	-67.00	-73.26	-78.00	-78.00	-35.00	-35.00	-35.00	-78.00	-35.00	-39.20

*all prices are net of VAT **Ukraine's IPS data

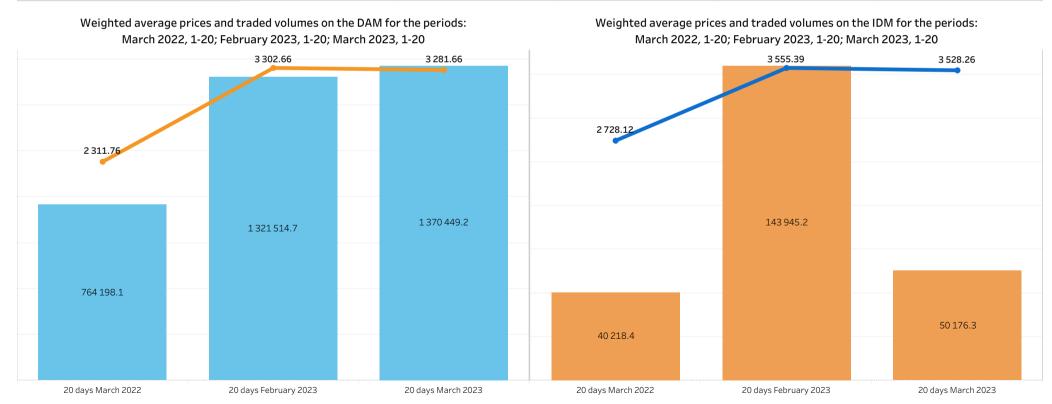
Weighted average prices and traded volumes on the DAM and IDM compared with the previous periods

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Weighted average prices and traded volumes on the DAM and IDM

Indicator	20 days March 2022	20 days February 2023	20 days March 2023	1 decade of March 2023	2 decade of March 2023
DAM weighted average price, UAH/MWh	2 311.76	3 302.66	3 281.66	3 368.99	3 173.62
DAM traded volume, MWh	764 198.1	1321514.7	1 370 449.2	757 887.5	612 561.7
IDM weighted average price, UAH/MWh	2 728.12	3 555.39	3 528.26	3541.13	3 509.88
IDM traded volume, MWh	40 218.4	143 945.2	50 176.3	29 506.1	20 670.2



^{*}in accordance with the resolution of the NERC dated 05.10.2018 Nº1179, the market operator determines and publishes on its own official website no later than the 25th day of the calculation period the weighted average actual price of electricity on the market "one day ahead" for the first 20 days of the previous calculation period **all prices are net of VAT ***Ukraine's IPS data

The DAM prices of Ukraine, Romania, Slovak Republic and Hungary for the period: March 1-20, 2023

The DAM prices comparison to the previous day*

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	Ukraine DAM price (Product Base), UAH/MWh	Romania DAM price (Product Base), UAH/MWh	Slovak Republic DAM price (Product Base), UAH/MWh	Hungary DAM price (Product Base), UAH/MWh	Date			DAM price comparison to the previous day, Slovak Republic	
1 March 2023	3 257.67	5 931.17	5 892.15	5 924.82	1 March 2023	13.92%	0.74%	0.89%	0.81%
2 March 2023	3 299.07	6 139.35	6 077.35	6 128.62	2 March 2023	1.27%	3.51%	3.14%	3.44%
3 March 2023	3 302.67	5 795.65	5 697.81	5 755.29	3 March 2023	0.11%	-5.60%	-6.25%	-6.09%
4 March 2023	3 285.80	4 661.82	4 600.75	4 646.50	4 March 2023	-0.51%	-19.56%	-19.25%	-19.27%
5 March 2023	3 119.79	4 627.11	4 799.75	4 836.48	5 March 2023	-5.05%	-0.74%	4.33%	4.09%
6 March 2023	3 290.38	5 522.44	5 904.58	5 926.65	6 March 2023	5.47%	19.35%	23.02%	22.54%
7 March 2023	3 280.23	5 137.66	5 121.24	5 293.13	7 March 2023	-0.31%	-6.97%	-13.27%	-10.69%
8 March 2023	2 993.62	4 911.33	5 427.06	5 437.89	8 March 2023	-8.74%	-4.41%	5.97%	2.73%
9 March 2023	3 132.53	4 240.29	5 127.11	5 123.48	9 March 2023	4.64%	-13.66%	-5.53%	-5.78%
10 March 2023	3 239.18	4 021.61	4 584.24	4 594.82	10 March 2023	3.40%	-5.16%	-10.59%	-10.32%
11 March 2023	3 240.91	3 742.56	3 788.76	3 823.82	11 March 2023	0.05%	-6.94%	-17.35%	-16.78%
12 March 2023	2 962.91	3 751.27	3 749.50	3 760.17	12 March 2023	-8.58%	0.23%	-1.04%	-1.66%
13 March 2023	3 225.92	3 240.57	4 143.14	4 202.89	13 March 2023	8.88%	-13.61%	10.50%	11.77%
14 March 2023	3 173.58	3 240.10	3 450.91	3 483.14	14 March 2023	-1.62%	-0.01%	-16.71%	-17.12%
15 March 2023	2 962.04	4 939.04	4 981.61	4 981.00					
16 March 2023	3 001.04	4 399.28	4 416.78	4 394.21	15 March 2023	-6.67%	52.43%	44.36%	43.00%
17 March 2023	2 982.50	3 534.38	3 616.62	3 596.24	16 March 2023	1.32%	-10.93%	-11.34%	-11.78%
18 March 2023	2 957.04	4 229.75	4 228.11	4 229.75	17 March 2023	-0.62%	-19.66%	-18.12%	-18.16%
19 March 2023	3 004.33	4 327.98	4 327.58	4 328.17	18 March 2023	-0.85%	19.67%	16.91%	17.62%
20 March 2023	3 117.17	4 884.44	4 888.70	4 882.95	19 March 2023	1.60%	2.32%	2.35%	2.33%
Average indicator	3 141.42	4 563.89	4 741.19	4 767.50	20 March 2023	3.76%	12.86%	12.97%	12.82%

For the period of March 1-20, 2023:

The DAM prices (Product Base)*

the DAM of Ukraine: the highest price was fixed in amount of 3 302,67 UAH/MWh on March 3, the lowest one - in amount of 2 957,04 UAH/MWh on March 18; the DAM of Romania: the highest price was fixed in amount of 6 139,35 UAH/MWh on March 2, the lowest one - in amount of 3 240,10 UAH/MWh on March 14; the DAM of Slovak Republic: the highest price was fixed in amount of 6 077,35 UAH/MWh on March 2, the lowest one - in amount of 3 450,91 UAH/MWh on March 14; the DAM of Hungary: the highest price was fixed in amount of 6 128,62 UAH/MWh on March 2, the lowest one - in amount of 3 483,14 UAH/MWh on March 14.

*the calculation was made according to the unified Central European Time (CET) **Ukraine's IPS data ***all prices are net of VAT

The DAM prices (Product Base) of Ukraine, Romania, Slovak Republic and Hungary*



The DAM and the BCM prices for the period: March 1-20, 2023

