

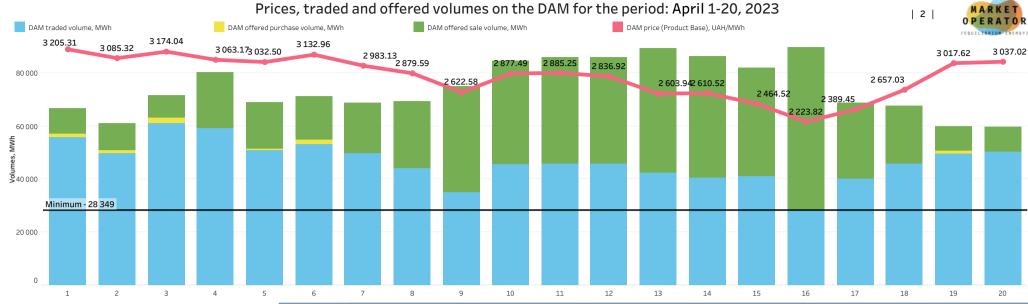
Comparative analysis of the market for 20 days of April 2023:

- 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.









933 004,4 MWh were traded on the DAM in the two decade of April 2023.

The largest traded volume of DAM was fixed in amount of 60 990,7 MWh on April 3 (Monday),

and the smallest one - in amount of 28 349,2 MWh on April 16 (Sunday).

The traded sold volume on the DAM was 37,40% less than offered one for the 20 days of April 2023.

The traded **purchased** volume on the DAM was 0,85% less than offered one for the same period.

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Date	DAM price (Product Base), UAH/MWh		DAM offered purchase volume, MWh		The difference between the DAM traded and offered purchase volume		
1 April 2023	3 205.31	55 516.9	57 043.1	66 696.7	-2.68%	-16.76%	
2 April 2023	3 085.32	49 838.8	50 884.5	60 979.7	-2.06%	-18.27%	
3 April 2023	3 174.04	60 990.7	63 019.5	71 427.0	-3.22%	-14.61%	
4 April 2023	3 063.17	58 936.8	58 936.8	80 276.9	0.00%	-26.58%	
5 April 2023	3 032.50	50 900.9	51 505.6	68 784.0	-1.17%	-26.00%	
6 April 2023	3 132.96	53 102.5	54 852.9	71 040.4	-3.19%	-25.25%	
7 April 2023	2 983.13	49 690.6	49 747.8	68 658.2	-0.11%	-27.63%	
8 April 2023	2 879.59	44 078.4	44 115.3	69 054.2	-0.08%	-36.17%	
9 April 2023	2 622.58	35 153.0	35 153.0	74 965.0	0.00%	-53.11%	
10 April 2023	2 877.49	45 572.2	45 581.0	84 568.5	-0.02%	-46.11%	
11 April 2023	2 885.25	45 815.4	45 815.4	85 715.3	0.00%	-46.55%	
12 April 2023	2 836.92	45 751.2	45 751.2	85 849.5	0.00%	-46.71%	
13 April 2023	2 603.94	42 450.0	42 450.0	89 251.6	0.00%	-52.44%	
14 April 2023	2 610.52	40 327.2	40 327.2	86 209.0	0.00%	-53.22%	
15 April 2023	2 464.52	40 827.2	40 827.2	81 912.2	0.00%	-50.16%	
16 April 2023	2 223.82	28 349.2	28 349.2	89 559.6	0.00%	-68.35%	
17 April 2023	2 389.45	40 215.7	40 215.7	68 712.6	0.00%	-41.47%	
18 April 2023	2 657.03	45 661.5	45 673.7	67 367.8	-0.03%	-32.22%	
19 April 2023	3 017.62	49 556.9	50 464.2	59 820.5	-1.80%	-17.16%	
20 April 2023	3 037.02	50 269.3	50 309.8	59 503.0	-0.08%	-15.52%	
Total for period	2 839.11	933 004.4	941 023.1	1490 351.7	-0.85%	-37.40%	

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

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



Date	IDM weighted average price, UAH/MWh	IDM traded volume, MWh	IDM offered purchase volume, MWh	IDM offered sale volume, MWh	The difference between the IDM traded and offered purchase volume	The difference between the IDM traded and offered sale volume
1 April 2023	3 592.99	5 913.2	6 205.2	11 342.5	-4.71%	-47.87%
2 April 2023	3 523.78	3 962.4	3 962.4	9 933.1	0.00%	-60.11%
3 April 2023	3 781.42	7 555.8	7 555.8	15 270.0	0.00%	-50.52%
4 April 2023	3 615.11	4 813.8	4 813.8	22 888.7	0.00%	-78.97%
5 April 2023	3 268.08	4 728.2	4 728.2	15 841.0	0.00%	-70.15%
6 April 2023	3 641.13	6 625.6	6 625.6	15 826.7	0.00%	-58.14%
7 April 2023	2 946.07	3 536.6	3 536.6	26 801.2	0.00%	-86.80%
8 April 2023	2 905.38	1 463.6	1 463.6	46 583.5	0.00%	-96.86%
9 April 2023	3 046.39	549.2	549.2	21 172.7	0.00%	-97.41%
10 April 2023	3 205.22	2 109.8	2 109.8	30 353.6	0.00%	-93.05%
11 April 2023	3 311.69	1 128.7	1 128.7	30 443.1	0.00%	-96.29%
12 April 2023	3 187.69	4 318.8	4 318.8	41 806.6	0.00%	-89.67%
13 April 2023	2 978.47	4 123.0	4 123.0	36 830.6	0.00%	-88.81%
14 April 2023	3 018.39	3 295.9	3 295.9	51 425.2	0.00%	-93.59%
15 April 2023	2 604.62	3 537.9	3 537.9	31 746.2	0.00%	-88.86%
16 April 2023	2 576.88	3 279.7	3 279.7	34 829.5	0.00%	-90.58%
17 April 2023	2 815.01	2 999.8	3 049.7	22 176.0	-1.64%	-86.47%
18 April 2023	2 923.04	2 434.6	2 434.6	19 799.9	0.00%	-87.70%
19 April 2023	3 434.66	5 819.8	5 819.8	15 491.7	0.00%	-62.43%
20 April 2023	3 395.45	2 587.2	2 587.2	17 240.7	0.00%	-84.99%
Total for period	3 284.15	74 783.6	75 125.5	517 802.5	-0.46%	-85.56%

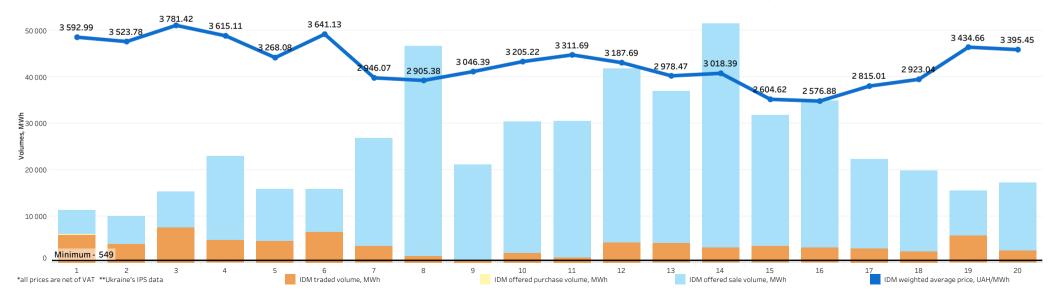
74 783,6 MWh were traded on the IDM in the two decade of April 2023.

The largest traded volume of IDM was fixed in amount of **7 555,8 MWh** on **April 3 (Monday)**,

and the smallest one - in amount of **549,2 MWh** on **April 9 (Sunday)**.

The traded **sold** volume on the IDM was **85,56%** less than offered one for the 20 days of April 2023.

The traded **purchased** volume on the IDM was **0,46%** less than offered one for the same period.



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

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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 April 2023	61 430.1	55 516.9	90.37%	5 913.2	9.63%
2 April 2023	53 801.2	49 838.8	92.64%	3 962.4	7.36%
3 April 2023	68 546.5	60 990.7	88.98%	7 555.8	11.02%
4 April 2023	63 750.6	58 936.8	92.45%	4 813.8	7.55%
5 April 2023	55 629.1	50 900.9	91.50%	4 728.2	8.50%
6 April 2023	59 728.1	53 102.5	88.91%	6 625.6	11.09%
7 April 2023	53 227.2	49 690.6	93.36%	3 536.6	6.64%
8 April 2023	45 542.0	44 078.4	96.79%	1 463.6	3.21%
9 April 2023	35 702.2	35 153.0	98.46%	549.2	1.54%
10 April 2023	47 682.0	45 572.2	95.58%	2 109.8	4.42%
11 April 2023	46 944.1	45 815.4	97.60%	1 128.7	2.40%
12 April 2023	50 070.0	45 751.2	91.37%	4 318.8	8.63%
13 April 2023	46 573.0	42 450.0	91.15%	4 123.0	8.85%
14 April 2023	43 623.1	40 327.2	92.44%	3 295.9	7.56%
15 April 2023	44 365.1	40 827.2	92.03%	3 537.9	7.97%
16 April 2023	31 628.9	28 349.2	89.63%	3 279.7	10.37%
17 April 2023	43 215.5	40 215.7	93.06%	2 999.8	6.94%
18 April 2023	48 096.1	45 661.5	94.94%	2 434.6	5.06%
19 April 2023	55 376.7	49 556.9	89.49%	5 819.8	10.51%
20 April 2023	52 856.5	50 269.3	95.11%	2 587.2	4.89%
Total for period	1 007 788.0	933 004.4	92.58%	74 783.6	7.42%

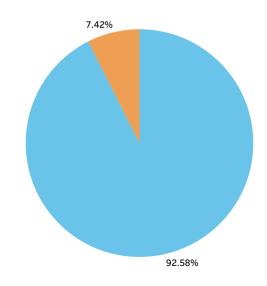
The **total traded** amount of electricity within the two market segments amounted to **1 007 788,0 MWh** in the two decade of April 2023.

The share of the DAM was 92,58% or 933 004,4 MWh in the total volume, while the share of the IDM was 7,42% or 74 783,6 MWh.

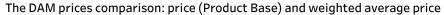
The largest traded volume within the two market segments was fixed in amount of 68 546,5 MWh on April 3 (Monday), as well as the smallest one - in amount of 31 628,9 MWh on April 16 (Sunday).

DAM traded volume, MWh

IDM traded volume, MWh



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







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 April 2023	3 205.31	1.78%	3 264.53	+59.22	3 811.14	2 599.47
2 April 2023	3 085.32	-3.74%	3 134.08	+48.76	3 665.25	2 505.38
3 April 2023	3 174.04	2.88%	3 274.82	+100.78	3 837.00	2 511.08
4 April 2023	3 063.17	-3.49%	3 165.39	+102.22	3 698.25	2 428.08
5 April 2023	3 032.50	-1.00%	3 182.55	+150.05	3 709.33	2 355.67
6 April 2023	3 132.96	3.31%	3 286.13	+153.17	3 867.69	2 398.23
7 April 2023	2 983.13	-4.78%	3 102.74	+119.61	3 423.95	2 542.32
8 April 2023	2 879.59	-3.47%	2 973.11	+93.52	3 282.06	2 477.13
9 April 2023	2 622.58	-8.93%	2 745.14	+122.56	3 076.86	2 168.30
10 April 2023	2 877.49	9.72%	3 080.32	+202.83	3 392.87	2 362.11
11 April 2023	2 885.25	0.27%	3 062.27	+177.02	3 424.99	2 345.51
12 April 2023	2 836.92	-1.68%	2 978.00	+141.08	3 282.88	2 390.95
13 April 2023	2 603.94	-8.21%	2 729.82	+125.88	2 965.38	2 242.50
14 April 2023	2 610.52	0.25%	2 709.62	+99.10	2 981.79	2 239.25
15 April 2023	2 464.52	-5.59%	2 481.67	+17.15	2 789.63	2 139.42
16 April 2023	2 223.82	-9.77%	2 085.35	-138.47	2 646.25	1 801.40
17 April 2023	2 389.45	7.45%	2 390.56	+1.11	2 713.13	2 065.77
18 April 2023	2 657.03	11.20%	2 671.90	+14.87	2 915.31	2 398.74
19 April 2023	3 017.62	13.57%	3 037.21	+19.59	3 454.59	2 580.66
20 April 2023	3 037.02	0.64%	3 065.20	+28.18	3 450.25	2 623.78
Average indicator	2 839.11		2 965.91	+126.80	3 319.43	2 358.79

For the period of April 1-20, 2023:

DAM price (Product Base) was 2 839,11 UAH/MWh, DAM weighted average price was 2 965,91 UAH/MWh, DAM price (Product Peak) was 3 319,43 UAH/MWh, DAM price (Product OffPeak) was 2 358,79 UAH/MWh,

The highest price of the DAM (Product Base) was fixed in amount of 3 205,31 UAH/MWh on April 1 (Saturday), and the lowest one - in amount of 2 223,82 UAH/MWh on April 16 (Sunday).

The highest weighted average price on the DAM was fixed in amount of 3 286,13 UAH/MWh on April 6 (Thursday), and the lowest one - in amount of 2 085,35 UAH/MWh on April 16 (Sunday).

The difference between the weighted average price on the DAM and the DAM price (Product Base) was **126,80 UAH/MWh** in the two decade of April 2023.

The DAM and IDM prices comparison for the period: April 1-20, 2023

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The largest difference in the hour between weighted average price on the IDM and on the DAM price (Product Base) was recorded at on 7 p.m. and 10 p.m. April 3, on 9 p.m. April 4, on 8 p.m. April 9, on 7 p.m. April 10 and amounted to 78.00 UAH/MWh.

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

	Timeline (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
01.04.2023	-1.00	-48.67	-36.76	-36.76	-36.76	-41.57	-5.00	-14.39	-14.86	0.00	-20.41	-73.50	-72.76	-72.40	-72.40	-72.76	-74.16	-77.40	0.00	0.00	0.00	0.00	0.00	0.00
02.04.2023	-37.00	-37.00	-34.60	-34.60	-34.60	-34.60	-36.96	-72.48	-73.28	-73.40	-73.40	-71.86	-72.16	-67.00	-67.00	-72.16	-73.80	-75.60	0.00	0.00	0.00	0.00	-27.43	0.00
03.04.2023	-36.84	-34.60	-34.60	-34.60	-34.60	-34.60	-37.00	0.00	0.00	0.00	0.00	-73.50	-73.38	-73.38	-73.38	-73.38	-77.90	-77.96	-78.00	0.00	0.00	-78.00	-77.96	-7.00
04.04.2023	-36.96	-34.60	-31.20	-31.20	-31.20	-33.70	-36.96	-73.36	-73.36	-73.40	-73.40	-73.36	-73.30	-72.88	-73.36	-73.36	-77.90	-67.50	-77.80	-77.96	-78.00	-77.96	-77.80	-10.00
05.04.2023	-33.60	-31.40	-31.40	-31.40	-31.40	-31.40	-36.76	-73.30	-73.40	0.00	-73.40	-73.36	-73.36	-73.36	-73.10	-67.00	-67.50	-77.80	-77.96	0.00	0.00	0.00	-67.50	-37.20
06.04.2023	-35.95	-31.40	-30.90	-30.90	-30.90	-31.40	-37.20	-73.40	0.00	0.00	0.00	-28.24	-73.36	-73.36	-73.36	-73.36	-77.96	-77.96	-27.54	0.00	0.00	-36.20	-77.80	-37.20
07.04.2023	-37.20	-37.20	-37.16	-37.16	-37.16	-37.20	-29.64	-73.40	-73.40	-27.45	-73.36	-73.36	-61.40	-61.40	-60.30	-60.30	-60.40	-61.00	-77.96	-29.20	-34.54	0.00	-77.76	-37.20
08.04.2023	-36.47	-37.20	-37.20	-37.16	-37.16	-37.20	-37.20	-61.20	-59.00	-61.00	-63.58	-73.36	-73.36	-63.58	-60.30	-61.40	-59.20	-55.00	-77.96	-2.29	0.00	-77.96	-77.96	-35.00
09.04.2023	-31.40	-31.40	-28.40	-28.40	-28.40	-28.40	-28.40	-53.50	-53.50	-58.88	-60.80	-58.82	-60.30	-59.20	-53.40	-58.82	-58.82	-60.40	-77.50	-78.00	-5.45	-77.50	-67.50	-37.20
10.04.2023	-35.00	-30.90	-28.40	-28.40	-28.40	-28.40	-37.16	-73.36	-73.36	-73.00	-65.70	-61.40	-59.20	-59.20	-53.40	-65.70	-67.50	-77.96	-78.00	-6.59	-2.95	-17.53	-77.96	-33.17
11.04.2023	-35.00	-31.20	-28.60	-28.60	-28.60	-28.60	-35.00	-73.00	-73.38	-72.90	-73.38	-73.38	-53.40	-53.18	-59.20	-60.30	-67.50	-77.96	-77.96	-27.13	-17.14	-29.74	-77.96	-37.30
12.04.2023	-34.40	-34.40	-30.72	-30.72	-30.72	-30.72	-36.00	-73.38	-18.39	-5.38	-73.38	-66.70	-53.02	-52.96	-53.00	-52.96	-59.30	-61.22	-77.84	-77.98	-5.62	-48.00	-77.84	-36.00
13.04.2023	-34.60	-30.72	-30.72	-30.72	-30.72	-30.72	-34.00	-66.70	-66.70	-66.70	-59.72	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-59.72	-63.58	-77.72	-52.00	-77.74	-61.60	-31.00
14.04.2023	-33.82	-30.72	-29.20	-29.20	-29.20	-30.72	-33.82	-67.00	-71.00	-66.00	-53.18	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-57.80	-73.00	-77.10	-54.00	-77.10	-67.00	-30.72
15.04.2023	-33.82	-33.82	-33.82	-30.72	-30.70	-30.70	-30.72	-54.40	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-67.00	-73.26	-73.26	-71.60	-59.20	-30.70
16.04.2023	-27.58	-27.58	-27.58	-27.58	-27.58	-27.58	-27.58	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-27.58
17.04.2023	-29.78	-29.78	-29.78	-29.78	-27.58	-29.78	-29.78	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-52.93	-57.04	-64.86	-72.00	-69.96	-64.86	-29.78
18.04.2023	-36.90	-36.90	-35.60	-33.83	-33.83	-33.83	-36.90	-59.70	-52.93	-59.70	-59.70	-52.93	-52.93	-52.93	-52.93	-52.93	-59.70	-52.93	-73.00	-77.10	-77.10	-77.10	-77.10	-36.90
19.04.2023	-37.10	-37.10	-37.10	-37.10	-37.10	-37.10	-37.10	0.00	-1.00	-21.70	-66.34	-52.93	-52.93	-52.93	-60.10	-73.24	-54.00	-73.26	-54.00	0.00	0.00	0.00	0.00	-17.13
20.04.2023	0.00	-5.57	-21.70	-39.02	-39.02	-5.44	-5.41	-73.24	-27.17	-30.67	-72.90	-60.10	-59.00	-60.10	-60.10	-66.46	-66.46	-66.90	-77.30	-5.18	0.00	-5.22	-35.28	0.00

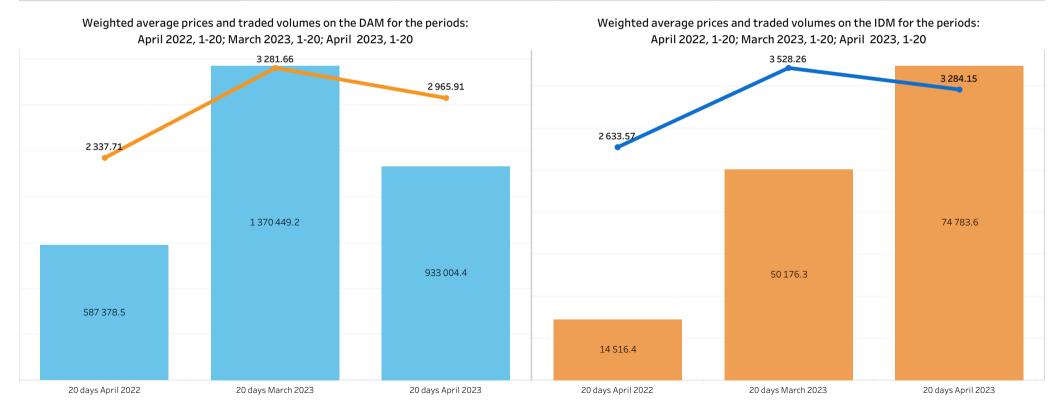
Weighted average prices and traded volumes on the DAM and IDM compared with the previous periods

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Weighted average prices and traded volumes on the DAM and IDM

Indicator	20 days April 2022	20 days March 2023	20 days April 2023	1 decade of April 2023	2 decade of April 2023
DAM weighted average price, UAH/MWh	2 337.71	3 281.66	2 965.91	3140.90	2760.51
DAM traded volume, MWh	587 378.5	1 370 449.2	933 004.4	503 780.8	429 223.6
IDM weighted average price, UAH/MWh	2 633.57	3 528.26	3 284.15	3 486.98	3 034.55
IDM traded volume, MWh	14 516.4	50 176.3	74 783.6	41 258.2	33 525.4



^{*}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: April 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 April 2023	3 199.10	2 430.15	2 324.98	2 430.58	1 April 2023	1.39%	-38.85%	-41.67%	-38.76%
2 April 2023	3 084.98	2 701.72	2 695.77	2 700.12	2 April 2023	-3.57%	11.18%	15.95%	11.09%
3 April 2023	3 174.29	4 533.21	4 432.48	4 437.55	3 April 2023	2.89%	67.79%	64.42%	64.35%
4 April 2023	3 056.17	4 887.65	5 163.30	5 160.51	4 April 2023	-3.72%	7.82%	16.49%	16.29%
5 April 2023	3 035.83	4 374.23	5 657.07	5 629.75	5 April 2023	-0.67%	-10.50%	9.56%	9.09%
6 April 2023	3 137.13	5 042.49	5 085.89	5 116.30	6 April 2023	3.34%	15.28%	-10.10%	-9.12%
7 April 2023	2 987.45	4 801.52	4 766.34	4 756.65	7 April 2023	-4.77%	-4.78%	-6.28%	-7.03%
8 April 2023	2 863.20	4 742.70	4 724.33	4 741.26	8 April 2023	-4.16%	-1.22%	-0.88%	-0.32%
9 April 2023	2 630.08	4 192.93	4 192.93	4 192.93	9 April 2023	-8.14%	-11.59%	-11.25%	-11.57%
10 April 2023	2 877.49	3 024.84	2 821.68	2 856.82	10 April 2023	9.41%	-27.86%	-32.70%	-31.87%
11 April 2023	2 884.00	3 830.42	3 752.04	3 857.61	11 April 2023	0.23%	26.63%	32.97%	35.03%
12 April 2023	2 837.33	4 474.56	4 503.30	4 473.98	12 April 2023	-1.62%	16.82%	20.02%	15.98%
13 April 2023	2 602.31	4 937.83	5 003.91	4 960.97	13 April 2023	-8.28%	10.35%	11.12%	10.88%
14 April 2023	2 610.52	3 782.98	5 144.71	5 145.37	14 April 2023	0.32%	-23.39%	2.81%	3.72%
15 April 2023	2 451.52	4 276.41	4 304.18	4 307.73	·				
16 April 2023	2 228.41	3 565.59	4 427.47	4 427.92	15 April 2023	-6.09%	13.04%	-16.34%	-16.28%
17 April 2023	2 404.28	3 188.58	4 770.64	4 740.28	16 April 2023	-9.10%	-16.62%	2.86%	2.79%
18 April 2023	2 657.44	4 633.37	4 670.86	4 635.09	17 April 2023	7.89%	-10.57%	7.75%	7.05%
19 April 2023	3 023.66	4 943.65	4 793.08	4 989.54	18 April 2023	10.53%	45.31%	-2.09%	-2.22%
20 April 2023	3 037.02	4 591.51	4 626.65	4 784.11	19 April 2023	13.78%	6.70%	2.62%	7.65%
Average indicator	2 839.11	4 147.82	4 393.08	4 417.25	20 April 2023	0.44%	-7.12%	-3.47%	-4.12%

For the period of April 1-20, 2023:

The DAM prices (Product Base)*

the DAM of Ukraine: the highest price was fixed in amount of 3 199,10 UAH/MWh on April 1, the lowest one - in amount of 2 228,41 UAH/MWh on April 16; the DAM of Romania: the highest price was fixed in amount of 5 042,49 UAH/MWh on April 6, the lowest one - in amount of 2 430,15 UAH/MWh on April 1; the DAM of Slovak Republic: the highest price was fixed in amount of 5 657,07 UAH/MWh on April 5, the lowest one - in amount of 2 324,98 UAH/MWh on April 1; the DAM of Hungary: the highest price was fixed in amount of 5 629,75 UAH/MWh on April 5, the lowest one - in amount of 2 430,58 UAH/MWh on April 1.

*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*

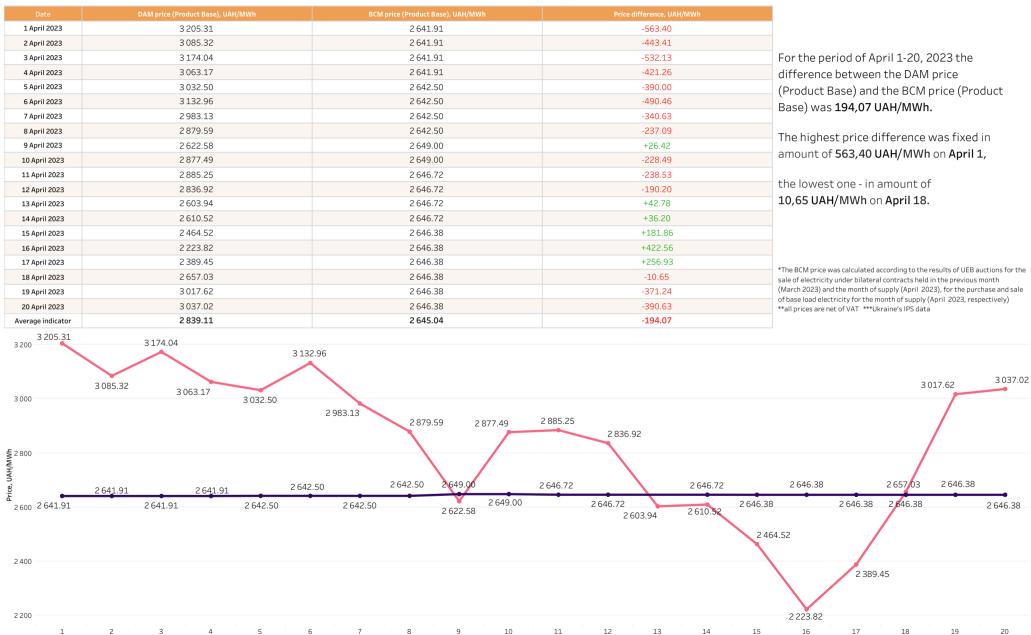


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The DAM and the BCM prices for the period: April 1-20, 2023

The DAM and the BCM prices





DAM price (Product Base), UAH/MWh

BCM price (Product Base), UAH/MWh