

### Monthly Report March 2020

HUPX DAM market reached record traded volume in March. In March the total traded volume increased by 4,91% to 2 139 370,7 MWh compared to 2 039 234,6 MWh in February. The average daily traded volume was 69 012,1 MWh. The highest daily traded volume was 85 261,7 MWh on 7.3.2020. delivery day. This is a record daily traded volume since the launch of HUPX DAM market. The number of admitted members was 58 in the examined month.

#### List of the Members

##### Founder members

- ALPIQ ENERGY SE
- CEZ, a.s.
- Danske Commodities A/S
- ELMŰ-ÉMÁSZ Energiakereskedő Kft.
- GEN-I, trgovanje in prodaja elektricne energije, d.o.o.
- Holding Slovenske Elektrarne d.o.o.
- JAS Budapest Zrt.
- Matrai Eromu ZRT.
- MVM Partner ZRT.
- Statkraft Markets GmbH
- Uniper Global Commodities SE

##### Admitted members

- AXPO Solutions AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedo Kft.
- Budapesti Eromu Zrt.
- Centrica Energy Trading A/S
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- E.ON Energiakereskedelmi Kft.
- EDF Trading Limited
- EDS International SK
- Ekologicke Zdroje Energie s.r.o.
- Enel Global Trading S.p.A.
- Energi Danmark A/S
- ENERGO-PRO Energy Services EAD
- Energy Financing Team (Switzerland) AG, organizational unit, Praha, Cz
- Energy Supply EOOD
- ENGIE Global Markets
- EP Commodities, a.s.
- EPS Trgovanje, d.o.o.
- EVN Trading South East Europe EAD
- Ezpada AG - organizacna zlozka zahranicnej osoby
- Freepoint Commodities Europe LLP
- Gazprom Marketing & Trading Ltd
- Greek Environmental & Energy Network Societe Anonyme
- Greenergy-Trade Kft.
- HEP d.d.
- Interenergo d.o.o.
- ISD Power Kft.
- LE Trading a.s.
- MAVIR ZRT.
- MET Austria Energy Trade GmbH
- MFT Energy A/S
- MOL Magyar Olaj- és Gázipari Nyrt.
- Monsson Trading S.R.L.
- OAM Ozdi Acelmuevek Kft.
- OMV Gas Marketing & Trading GmbH
- Petrol d.d., Ljubljana
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- Slovenske elektrarne, a.s.
- TINMAR ENERGY SA
- Trailstone GmbH
- TRMEW OBROT SPOLKA AKCYJNA
- Vattenfall Energy Trading GmbH
- VERBUND Energy4Business GmbH
- Vitol Gas & Power B.V.
- Watt and Volt S.A.

### HUPX Day-Ahead Market

Description	2/2020	3/2020	Change	
HUPX Base Average Price (EUR/MWh)*	39,85	29,76	-10,08	-25,31%
HUPX Peak Average Price (EUR/MWh)*	44,26	32,55	-11,71	-26,45%
HUPX Base Trimmed Mean Price (EUR/MWh)**	39,60	30,11	-9,49	-23,97%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	43,78	32,90	-10,88	-24,84%
OTC Base Trimmed Mean Price (EUR/MWh)**	40,40	30,03	-10,37	-25,67%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,65	-0,18	-0,83	-127,66%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	71,50	63,87	-7,63	-10,67%
Lowest Traded Price (EUR/MWh)	11,21	-0,91	-12,12	-108,12%

Total Turnover (EUR)	81 681 741	63 102 200	-18 579 541	-22,75%
Average Daily Turnover (EUR)	2 816 612	2 036 371	-780 240	-27,70%
Max. Daily Turnover (EUR)	3 614 006	2 749 769	-864 237	-23,91%
Min. Daily Turnover (EUR)	2 417 066	1 254 032	-1 163 034	-48,12%

Description	2/2020	3/2020	Change	
Total Volume (MWh)	2 039 234,6	2 139 370,7	100 136,1	4,91%
Average Daily Traded Volume (MWh)	70 318,4	69 012,1	-1 306,3	-1,86%
Highest Daily Traded Volume (MWh)	83 467,9	85 261,7	1 793,8	2,15%
Lowest Daily Traded Volume(MWh)	62 710,3	55 916,8	-6 793,5	-10,83%
Highest Hourly Traded Volume (MWh)	4 115,9	4 235,4	119,5	2,90%
Lowest Hourly Traded Volume(MWh)	2 010,1	1 920,9	-89,2	-4,44%
Average Hourly Traded Volume (MWh)	2 929,9	2 879,4	-50,6	-1,73%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	68 169,7	64 976,4	-3 193,3	-4,68%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	75 093,3	78 876,6	3 783,3	5,04%

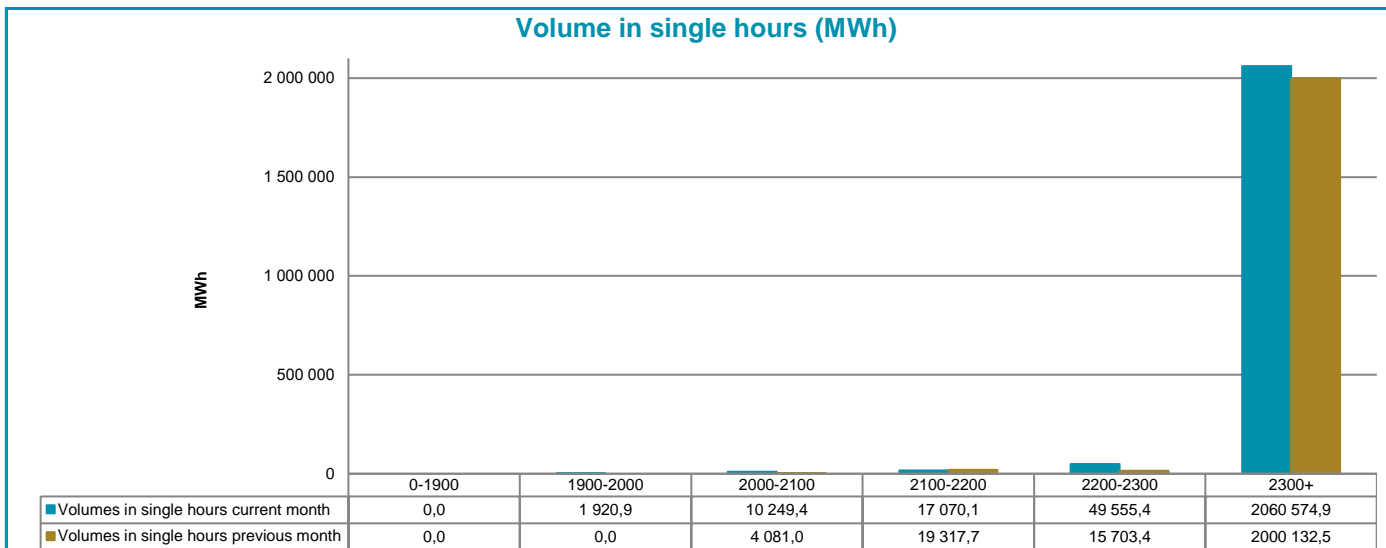
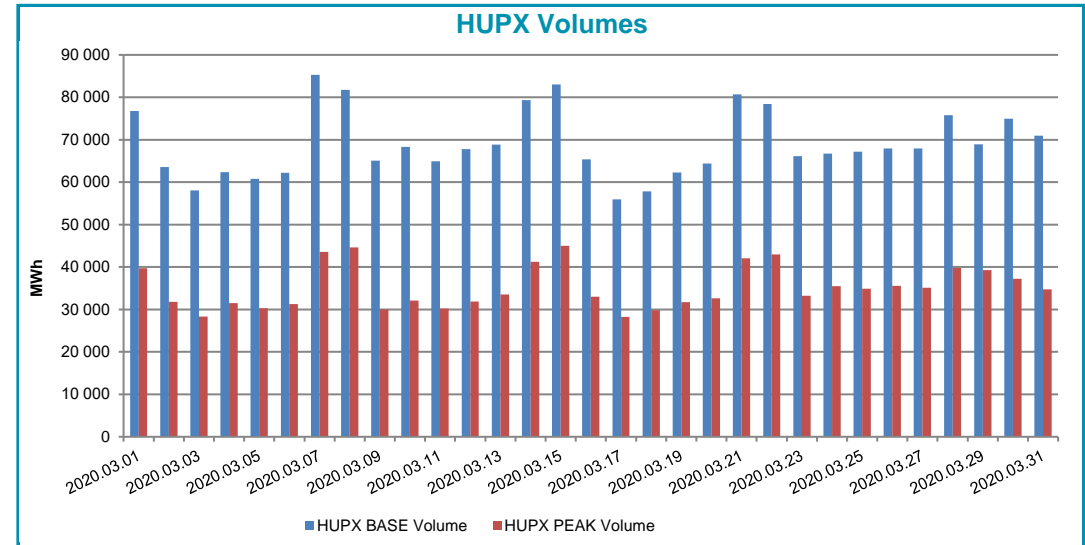
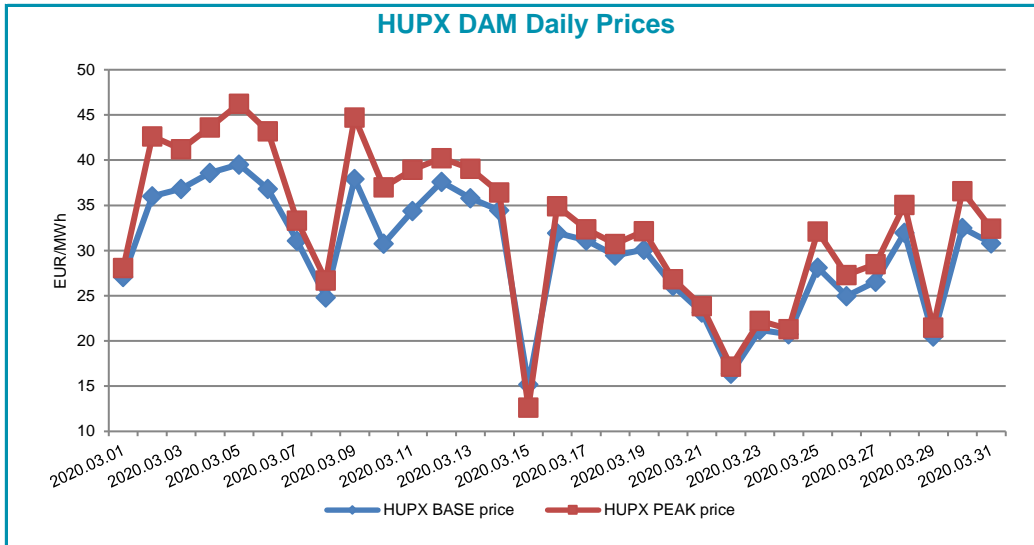
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	36 002,8	32 396,0	-3 606,8	-10,02%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	39 532,9	42 034,0	2 501,0	6,33%

### Note:

\*The average price contains all the hourly prices in the examined periods.

\*\*Trimmed Mean is a special average which shows monthly mean prices considering all prices except for the two lowest and the two highest. We applied this indicator to avoid from distortion of the results. Mean is very sensitive to extreme values.

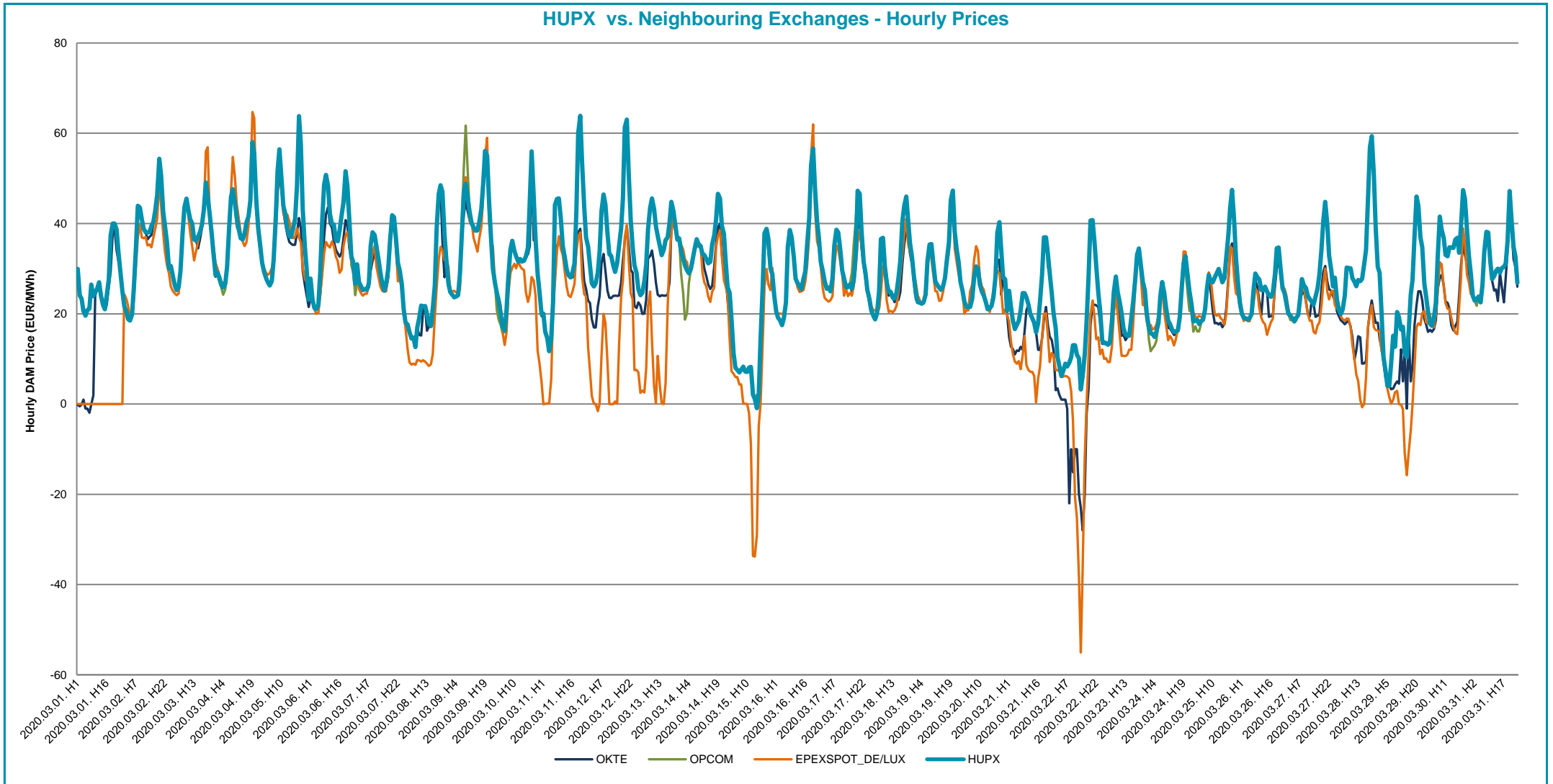
## Prices and volumes



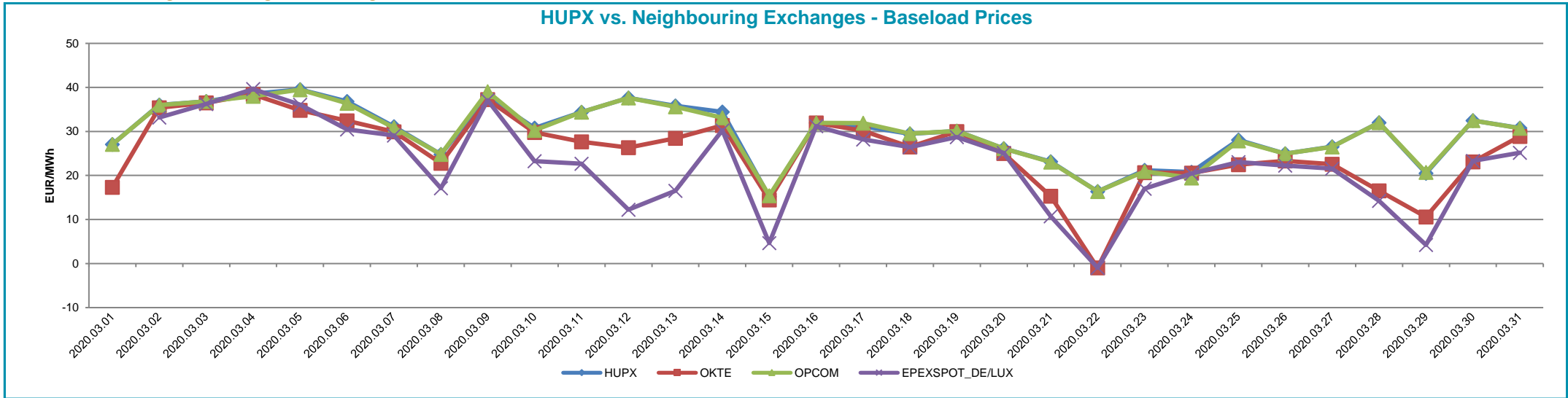
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/03/2020-31/03/2020). We categorized the results according to the traded volume of each hour. Compared to the previous month, the distribution of executed volumes shows changes in the traded volumes: the ratio of the range 2100-2200 MWh decreased, while the ratio increased regarding the 1900-2000 MWh, 2000-2100 MWh, 2200-2300 MWh and 2300+ MWh.

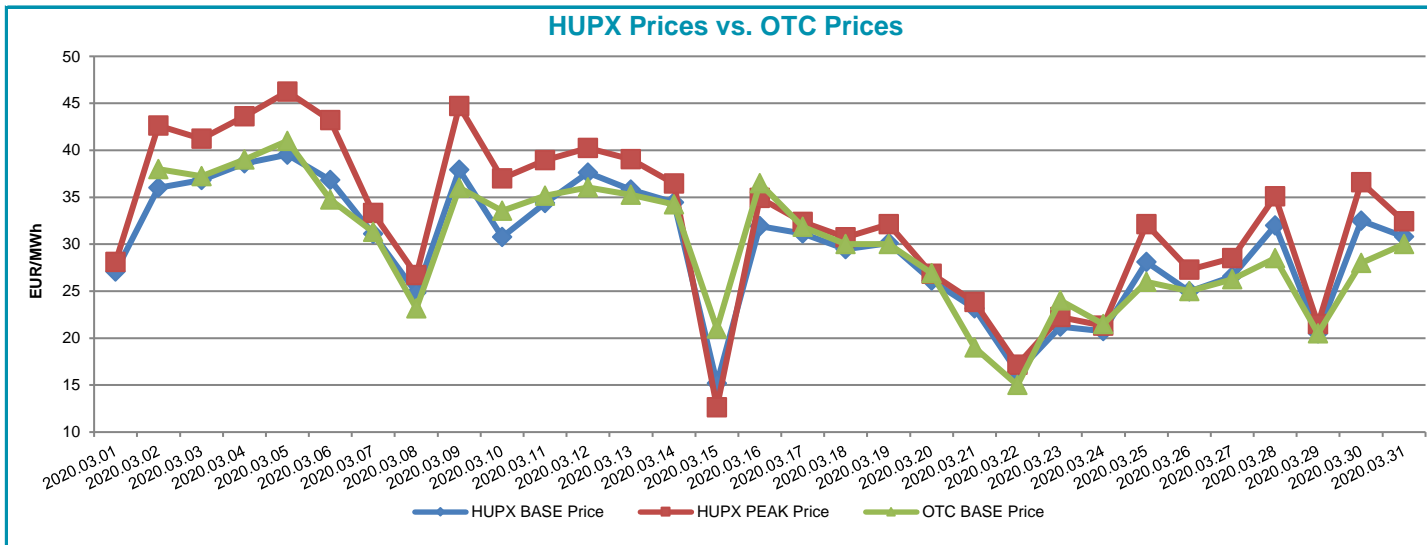
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,18
Trimmed Diff. PL.	HUPX↔OTC	N/A

### Average of aggregated OFFERS/BIDS 01/03/2020-31/03/2020

Data shown in the table reflects the average hourly aggregated maximum sell and buy volumes, not considering price steps.

Hour	Offers	Bids	Index volumes
H1	3 857,9	4 153,9	2 857,3
H2	3 816,3	3 950,0	2 724,5
H3	3 783,3	3 909,8	2 687,5
H4	3 812,8	3 875,4	2 698,6
H5	3 730,8	3 861,9	2 673,9
H6	3 709,0	3 980,9	2 704,4
H7	3 573,9	4 041,6	2 705,6
H8	3 564,2	4 182,0	2 785,9
H9	3 690,0	4 172,0	2 818,7
H10	3 744,8	4 197,6	2 869,2
H11	3 827,1	4 260,3	2 956,2
H12	3 870,1	4 321,2	3 026,8
H13	3 772,8	4 386,3	2 983,9
H14	3 751,9	4 315,2	2 943,8
H15	3 820,4	4 306,4	2 960,0
H16	3 813,2	4 322,8	2 943,9
H17	3 757,1	4 307,5	2 920,2
H18	3 660,1	4 354,6	2 896,7
H19	3 580,6	4 482,1	2 926,7
H20	3 673,1	4 469,3	2 948,0
H21	3 828,1	4 570,3	3 075,6
H22	3 904,0	4 403,8	3 036,3
H23	3 918,5	4 291,3	3 006,4
H24	3 927,6	4 194,3	2 948,5
<b>Σ</b>	<b>90 387,8</b>	<b>101 310,3</b>	<b>69 012,1</b>

Base	
MIN (offer)	3 564,2
MAX (offer)	3 927,6
MIN (bid)	3 861,9
MAX (bid)	4 570,3
Average (offer)	3 766,2
Average (bid)	4 221,3

Peak	
MIN (offer)	3 580,6
MAX (offer)	3 870,1
MIN (bid)	4 172,0
MAX (bid)	4 482,1
Average (offer)	3 746,8
Average (bid)	4 324,6

### Aggregated OFFERS/BIDS 01/03/2020-31/03/2020

Data shown in the table reflects hourly aggregated maximum sell and buy volumes, not considering price steps.

Hour	Offers	Bids	Index volumes
H1	119 595,2	128 771,5	88 575,4
H2	118 306,8	122 449,2	84 459,6
H3	113 499,7	117 294,8	80 626,3
H4	118 196,2	120 136,7	83 656,2
H5	115 654,9	119 717,6	82 891,4
H6	114 979,8	123 407,3	83 837,7
H7	110 789,7	125 289,6	83 874,5
H8	110 491,3	129 643,1	86 361,6
H9	114 389,8	129 330,7	87 380,7
H10	116 088,9	130 126,9	88 945,8
H11	118 640,7	132 069,4	91 643,3
H12	119 974,3	133 956,1	93 831,7
H13	116 956,2	135 973,8	92 499,4
H14	116 310,3	133 770,1	91 258,7
H15	118 433,0	133 496,9	91 758,7
H16	118 208,2	134 008,1	91 259,5
H17	116 469,8	133 532,7	90 527,3
H18	113 463,3	134 991,6	89 796,5
H19	110 997,9	138 944,8	90 728,3
H20	113 865,9	138 547,5	91 387,2
H21	118 672,1	141 680,0	95 342,6
H22	121 023,6	136 517,0	94 126,7
H23	121 474,1	133 031,3	93 197,1
H24	121 756,3	130 023,9	91 404,5
<b>Σ</b>	<b>2 798 238,0</b>	<b>3 136 710,6</b>	<b>2 139 370,7</b>

Base	
MIN (offer)	110 491,3
MAX (offer)	121 756,3
MIN (bid)	117 294,8
MAX (bid)	141 680,0
Average (offer)	116 593,3
Average (bid)	130 696,3

Peak	
MIN (offer)	110 997,9
MAX (offer)	119 974,3
MIN (bid)	129 330,7
MAX (bid)	138 944,8
Average (offer)	116 149,9
Average (bid)	134 062,4

# HUPX DAM

## Traded Volume By Portfolios

