

## Monthly Report April 2020

In April the total traded volume decreased by 4,37% to 2 045 908,9 MWh compared to 2 139 370,7 MWh in March. The average daily traded volume was 68 197,0 MWh. The highest daily traded volume was 78 786,2 MWh on 19.4.2020. delivery day. The number of admitted members was 59 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 Elektranne d.o.o.
- JAS Budapest Zrt.
- Matrai Eromu ZRT.
- MVM Partner ZRT.
- Statkraft Markets GmbH
- Uniper Global Commodities SE

#### New member

- E.ON Energiamegoldások Kft.

#### 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
- TRANSENERGO COM S.A.
- TRMEW OBROT SPOLKA AKCYJNA
- Vattenfall Energy Trading GmbH
- VERBUND Energy4Business GmbH
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.
- Watt and Volt S.A.

### HUPX Day-Ahead Market

Description	3/2020	4/2020	Change	
HUPX Base Average Price (EUR/MWh)*	29,76	25,33	-4,43	-14,90%
HUPX Peak Average Price (EUR/MWh)*	32,55	24,92	-7,63	-23,44%
HUPX Base Trimmed Mean Price (EUR/MWh)**	30,11	25,87	-4,24	-14,08%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	32,90	25,50	-7,41	-22,52%
OTC Base Trimmed Mean Price (EUR/MWh)**	30,03	24,27	-5,76	-19,17%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	-0,18	-0,33	-0,15	85,96%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	63,87	125,08	61,21	95,84%
Lowest Traded Price (EUR/MWh)	-0,91	-8,12	-7,21	792,31%

Total Turnover (EUR)	63 102 200	51 293 190	-11 809 009	-18,71%
Average Daily Turnover (EUR)	2 036 371	1 709 773	-326 598	-16,04%
Max. Daily Turnover (EUR)	2 749 769	2 585 907	-163 862	-5,96%
Min. Daily Turnover (EUR)	1 254 032	559 683	-694 349	-55,37%

Description	3/2020	4/2020	Change	
Total Volume (MWh)	2 139 370,7	2 045 908,9	-93 461,8	-4,37%
Average Daily Traded Volume (MWh)	69 012,1	68 197,0	-815,1	-1,18%
Highest Daily Traded Volume (MWh)	85 261,7	78 786,2	-6 475,5	-7,59%
Lowest Daily Traded Volume(MWh)	55 916,8	59 095,6	3 178,8	5,68%
Highest Hourly Traded Volume (MWh)	4 235,4	3 874,2	-361,2	-8,53%
Lowest Hourly Traded Volume(MWh)	1 920,9	1 959,6	38,7	2,01%
Average Hourly Traded Volume (MWh)	2 879,4	2 841,5	-37,8	-1,31%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	64 976,4	66 699,1	1 722,7	2,65%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	78 876,6	72 316,0	-6 560,6	-8,32%

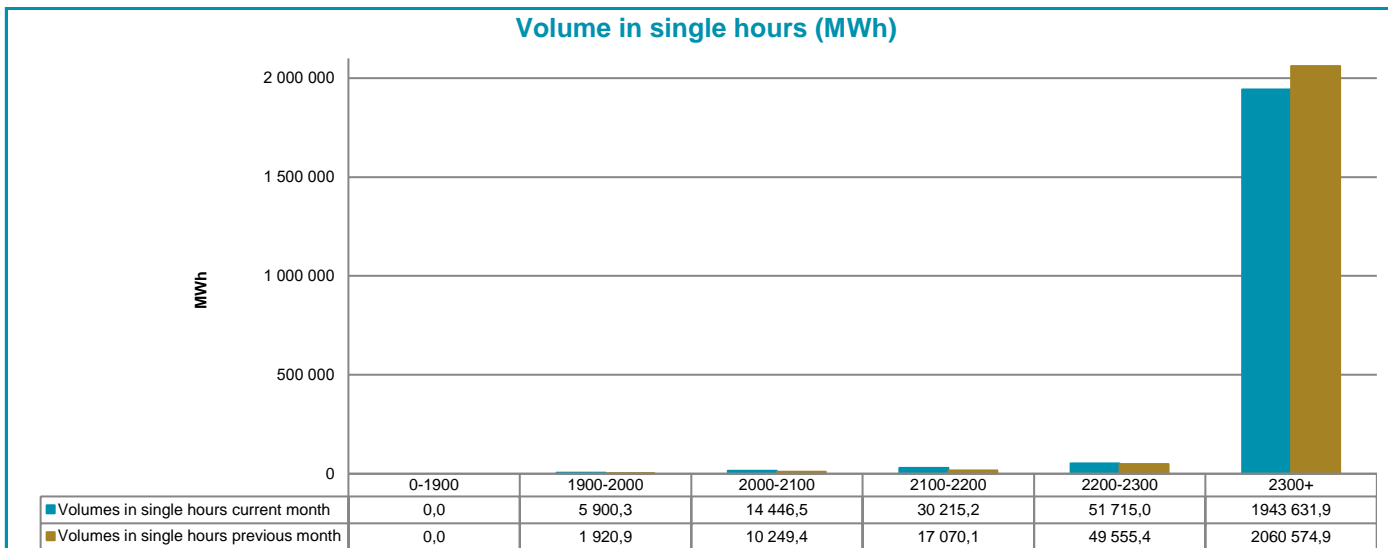
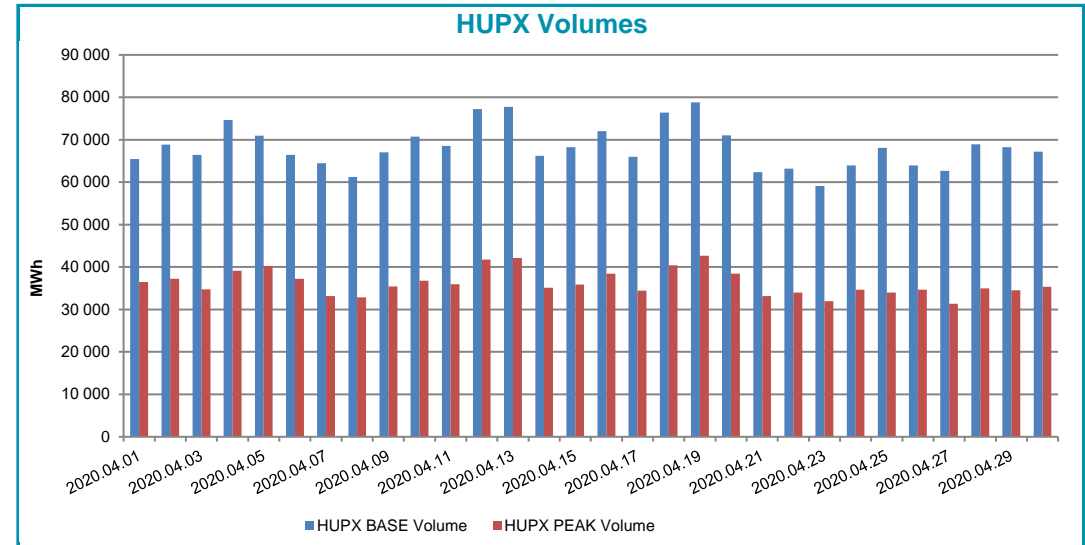
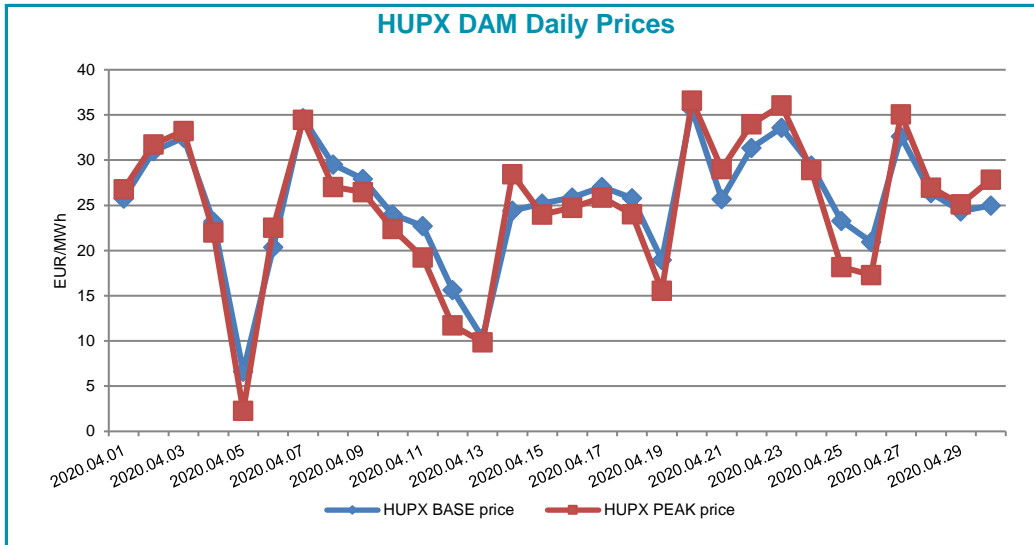
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	32 396,0	35 371,4	2 975,4	9,18%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	42 034,0	38 604,0	-3 430,0	-8,16%

### 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.

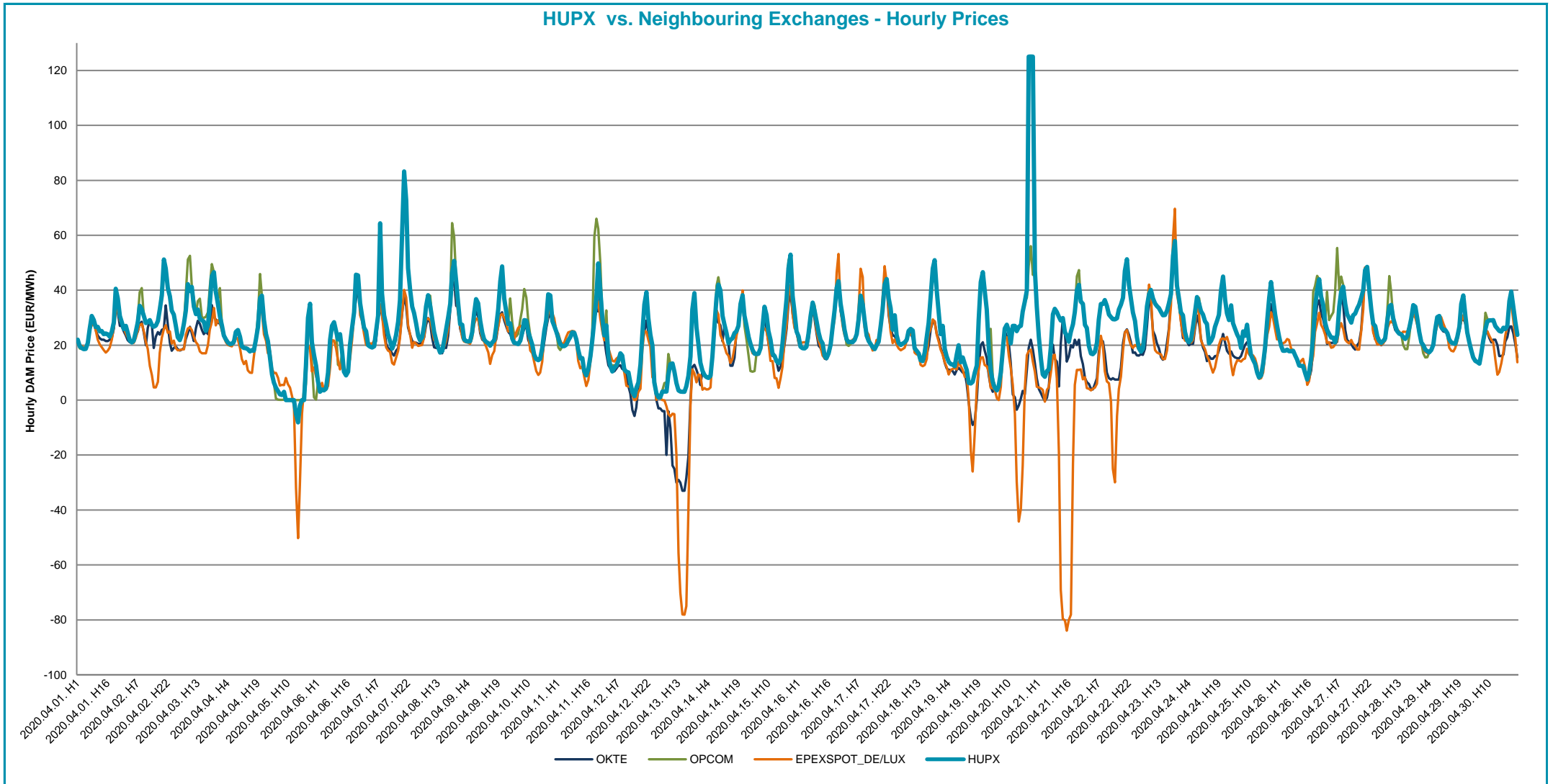
## Prices and volumes



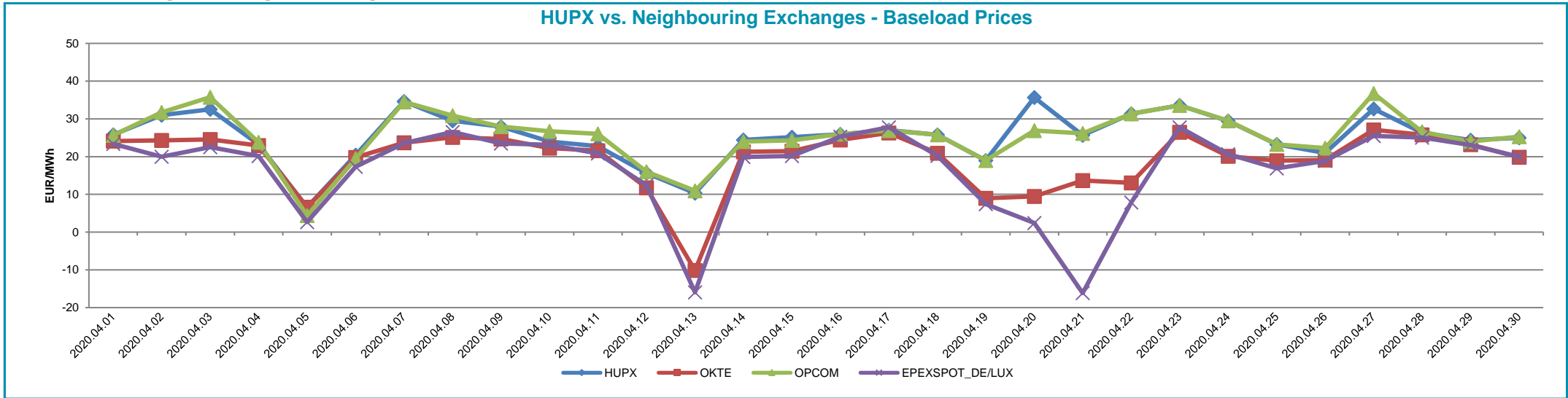
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/04/2020-30/04/2020). 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 2300+ MWh decreased, while the ratio increased regarding the 1900-2000 MWh, 2000-2100 MWh, 2100-2200 MWh and 2200-2300 MWh.

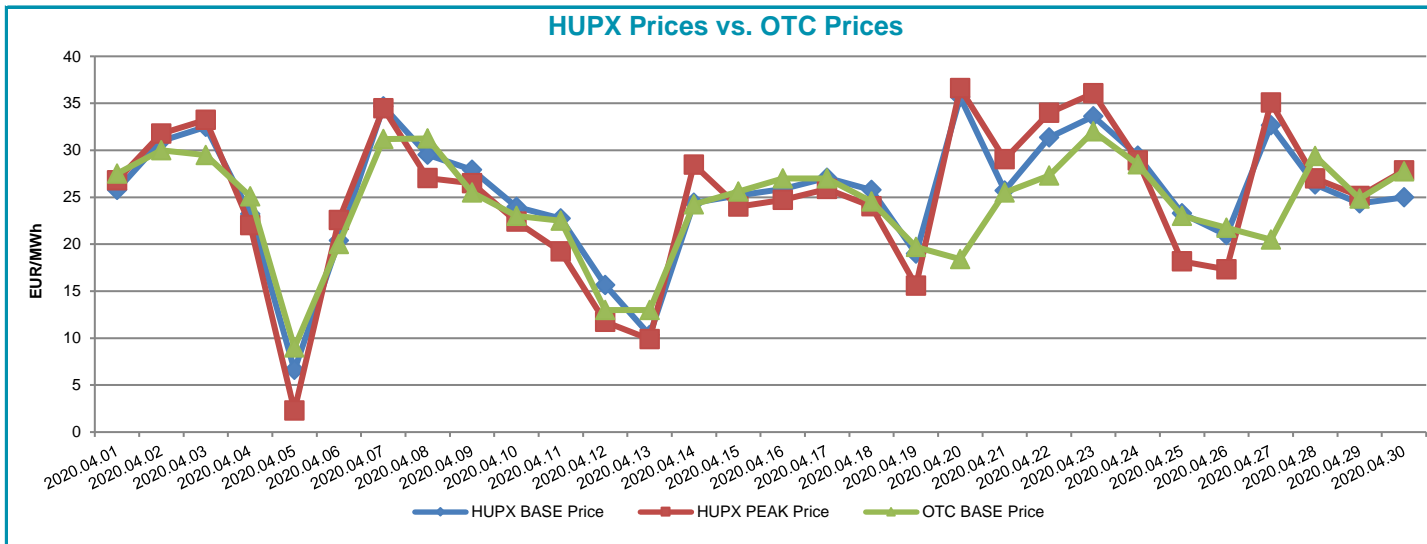
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,33
Trimmed Diff. PL.	HUPX↔OTC	N/A

### Average of aggregated OFFERS/BIDS 01/04/2020-30/04/2020

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	3 690,5	3 585,2	2 783,1
H2	3 824,6	3 470,4	2 749,3
H3	3 774,0	3 307,1	2 637,7
H4	3 764,1	3 263,4	2 596,4
H5	3 705,6	3 232,6	2 570,5
H6	3 596,3	3 174,2	2 504,8
H7	3 415,2	3 200,1	2 463,6
H8	3 369,4	3 390,6	2 593,8
H9	3 583,2	3 667,5	2 833,3
H10	3 729,0	3 776,9	2 965,2
H11	3 854,2	3 835,8	3 087,4
H12	3 911,7	3 920,9	3 171,3
H13	3 829,0	3 928,3	3 145,4
H14	3 818,0	3 913,2	3 132,4
H15	3 851,8	3 900,0	3 147,7
H16	3 804,9	3 869,2	3 101,2
H17	3 767,3	3 869,3	3 071,0
H18	3 621,9	3 825,4	2 922,5
H19	3 465,6	3 809,9	2 841,9
H20	3 456,2	3 851,1	2 814,1
H21	3 521,5	3 964,8	2 893,5
H22	3 511,8	3 654,1	2 766,4
H23	3 566,4	3 566,1	2 755,7
H24	3 559,2	3 421,0	2 648,7
<b>Σ</b>	<b>87 991,6</b>	<b>87 397,1</b>	<b>68 197,0</b>

Base	
MIN (offer)	3 369,4
MAX (offer)	3 911,7
MIN (bid)	3 174,2
MAX (bid)	3 964,8
Average (offer)	3 666,3
Average (bid)	3 641,5

Peak	
MIN (offer)	3 456,2
MAX (offer)	3 911,7
MIN (bid)	3 667,5
MAX (bid)	3 928,3
Average (offer)	3 724,4
Average (bid)	3 847,3

### Aggregated OFFERS/BIDS 01/04/2020-30/04/2020

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

Hour	Offers	Bids	Index volumes
H1	110 716,3	107 555,2	83 493,9
H2	114 737,4	104 112,4	82 477,8
H3	113 220,5	99 212,8	79 130,6
H4	112 922,4	97 901,4	77 891,4
H5	111 168,6	96 978,8	77 115,3
H6	107 889,1	95 226,1	75 144,5
H7	102 455,7	96 002,4	73 909,2
H8	101 082,4	101 718,1	77 813,0
H9	107 496,5	110 024,4	85 000,3
H10	111 870,0	113 308,1	88 954,6
H11	115 626,6	115 074,4	92 621,3
H12	117 351,8	117 625,6	95 138,3
H13	114 869,4	117 849,2	94 362,3
H14	114 539,9	117 397,0	93 972,5
H15	115 555,4	116 998,5	94 431,4
H16	114 147,6	116 074,9	93 037,1
H17	113 020,3	116 079,0	92 129,7
H18	108 656,1	114 762,8	87 674,4
H19	103 968,6	114 297,5	85 257,0
H20	103 685,5	115 532,3	84 424,1
H21	105 643,7	118 944,5	86 806,3
H22	105 354,8	109 624,3	82 991,5
H23	106 993,1	106 984,2	82 671,4
H24	106 775,5	102 629,3	79 461,0
<b>Σ</b>	<b>2 639 747,2</b>	<b>2 621 913,2</b>	<b>2 045 908,9</b>

Base	
MIN (offer)	101 082,4
MAX (offer)	117 351,8
MIN (bid)	95 226,1
MAX (bid)	118 944,5
Average (offer)	109 989,5
Average (bid)	109 246,4

Peak	
MIN (offer)	103 685,5
MAX (offer)	117 351,8
MIN (bid)	110 024,4
MAX (bid)	117 849,2
Average (offer)	111 732,3
Average (bid)	115 418,6

# HUPX DAM

## Traded Volume By Portfolios

