

## Monthly Report January 2020

HUPX DAM market reached record traded volume in January. In January the total traded volume increased by 10,49% to 2 048 247,0 MWh compared to 1 853 765,1 MWh in December. The average daily traded volume was 66 072,5 MWh. The highest daily traded volume was 75 130,4 MWh on 1.1.2020. 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 električne 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-Energiakereskedő 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
- ENERGIEALLIANZ Austria GmbH
- Energo-pro Trading JSC
- Energy Financing Team (Switzerland) AG, organizational unit, Praha, Cz
- Energy Supply EOOD
- 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
- GDF Suez Trading SAS
- 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
- Vattenfall Energy Trading GmbH
- VERBUND Trading GmbH
- Vitol Gas & Power B.V.
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.
- Watt and Volt S.A.

### HUPX Day-Ahead Market

Description	12/2019	1/2020	Change	
HUPX Base Average Price (EUR/MWh)*	41,08	52,96	11,88	28,92%
HUPX Peak Average Price (EUR/MWh)*	49,54	60,61	11,07	22,33%
HUPX Base Trimmed Mean Price (EUR/MWh)**	41,12	52,91	11,79	28,67%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	48,96	60,29	11,32	23,12%
OTC Base Trimmed Mean Price (EUR/MWh)**	41,00	53,65	12,65	30,86%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,08	0,84	0,76	913,33%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	125,40	104,62	-20,78	-16,57%
Lowest Traded Price (EUR/MWh)	0,00	26,38	26,38	

Total Turnover (EUR)	76 490 994	108 478 334	31 987 339	41,82%
Average Daily Turnover (EUR)	2 467 451	3 499 301	1 031 850	41,82%
Max. Daily Turnover (EUR)	3 796 204	4 999 436	1 203 232	31,70%
Min. Daily Turnover (EUR)	1 217 312	2 246 036	1 028 724	84,51%

Description	12/2019	1/2020	Change	
Total Volume (MWh)	1 853 765,1	2 048 247,0	194 481,9	10,49%
Average Daily Traded Volume (MWh)	59 798,9	66 072,5	6 273,6	10,49%
Highest Daily Traded Volume (MWh)	67 572,5	75 130,4	7 557,9	11,18%
Lowest Daily Traded Volume(MWh)	53 585,3	59 211,4	5 626,1	10,50%
Highest Hourly Traded Volume (MWh)	3 396,8	4 104,7	707,9	20,84%
Lowest Hourly Traded Volume(MWh)	1 483,0	2 022,3	539,3	36,37%
Average Hourly Traded Volume (MWh)	2 491,6	2 753,0	261,4	10,49%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	60 247,3	65 701,1	5 453,8	9,05%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	58 702,8	67 140,3	8 437,6	14,37%

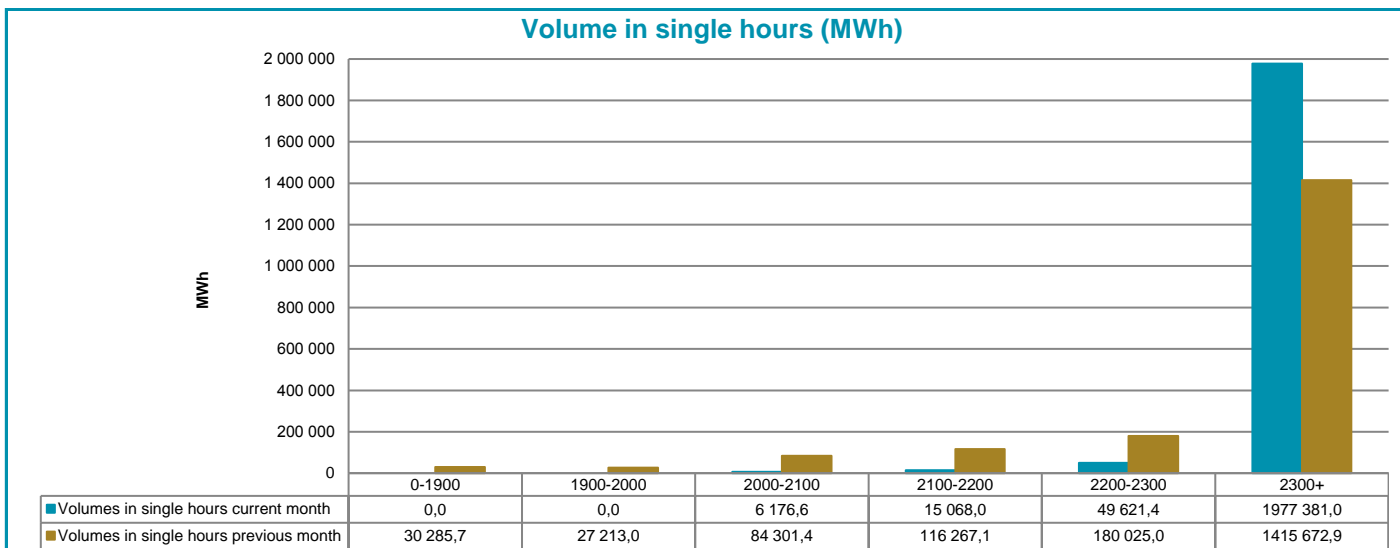
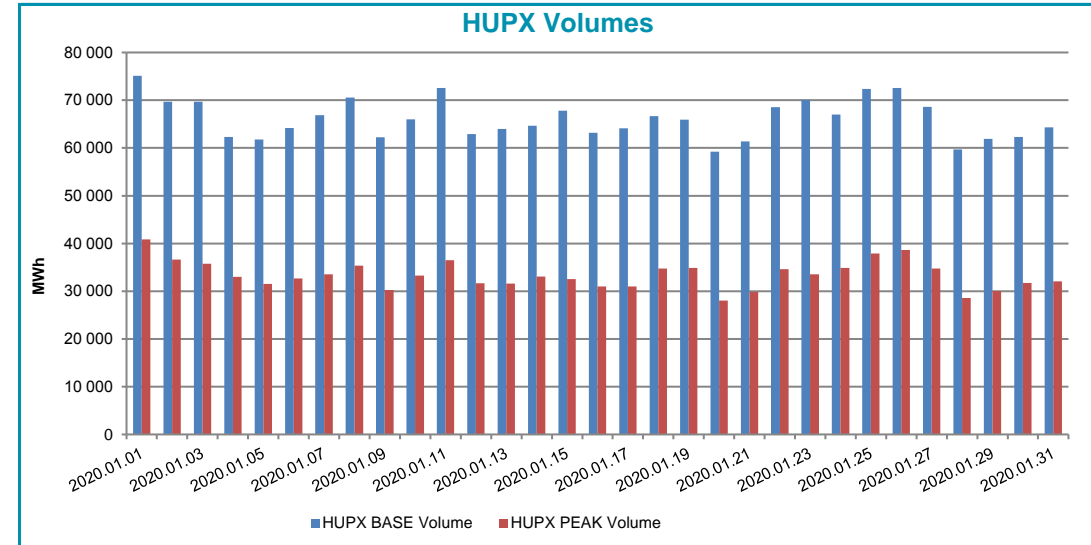
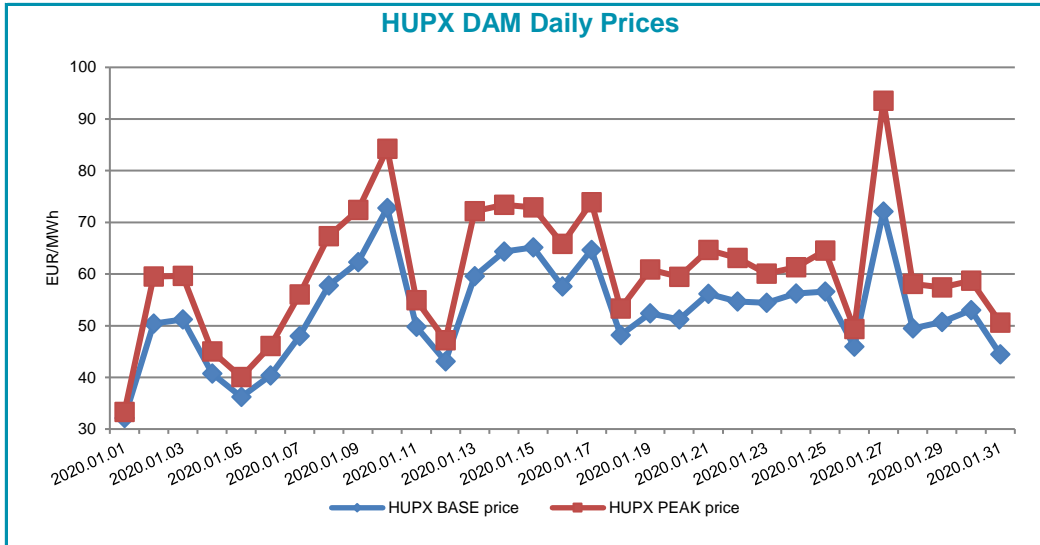
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	30 668,7	32 853,9	2 185,1	7,12%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	29 452,0	34 852,6	5 400,5	18,34%

### 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.

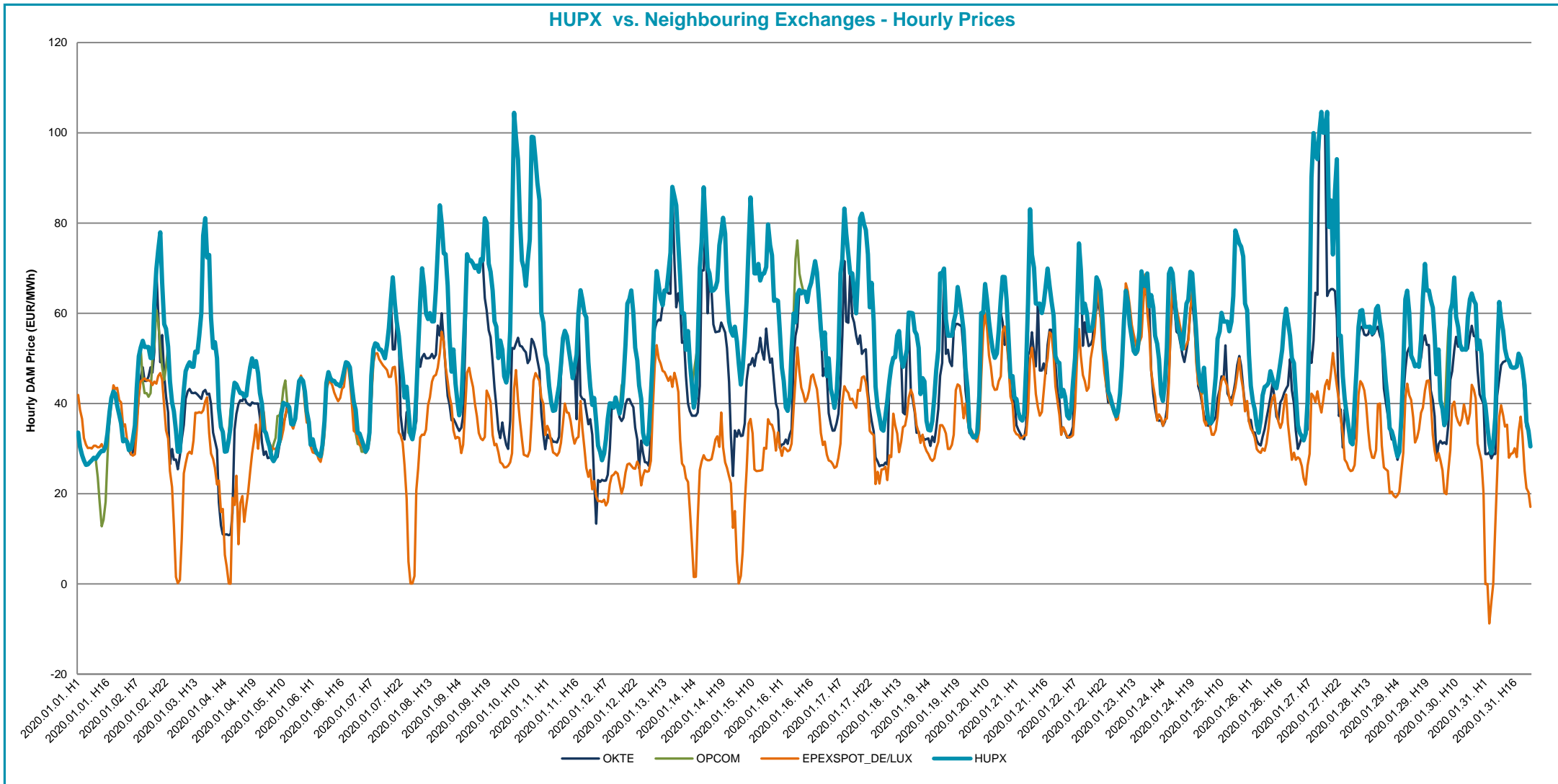
## Prices and volumes



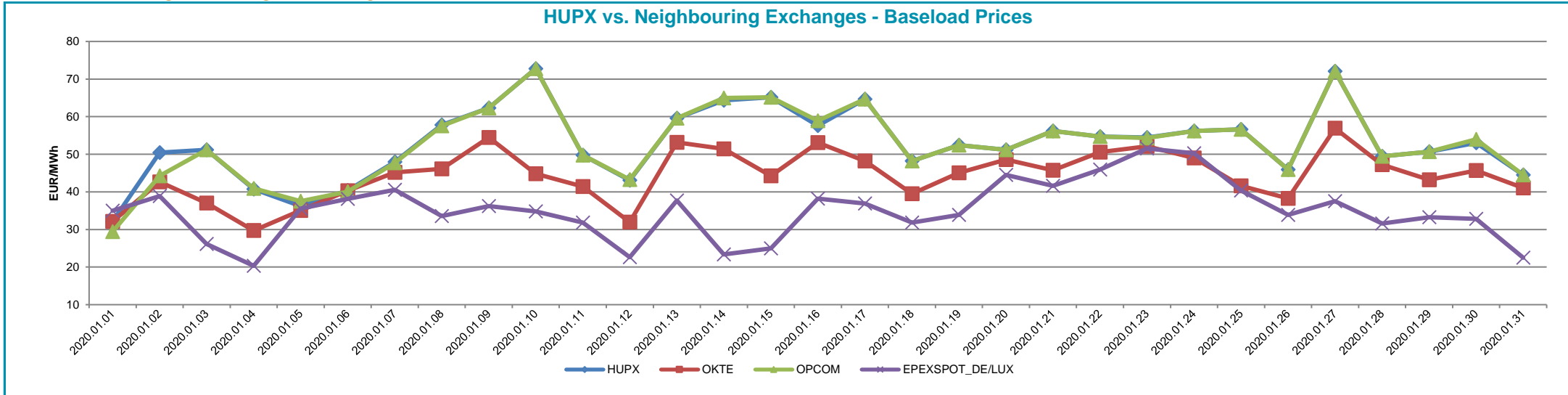
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/01/2020-31/01/2020). 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 0-1900 MWh, 1900-2000 MWh, 2000-2100 MWh, 2100-2200 MWh and 2200-2300 MWh decreased, while the ratio increased regarding the 2300+ MWh.

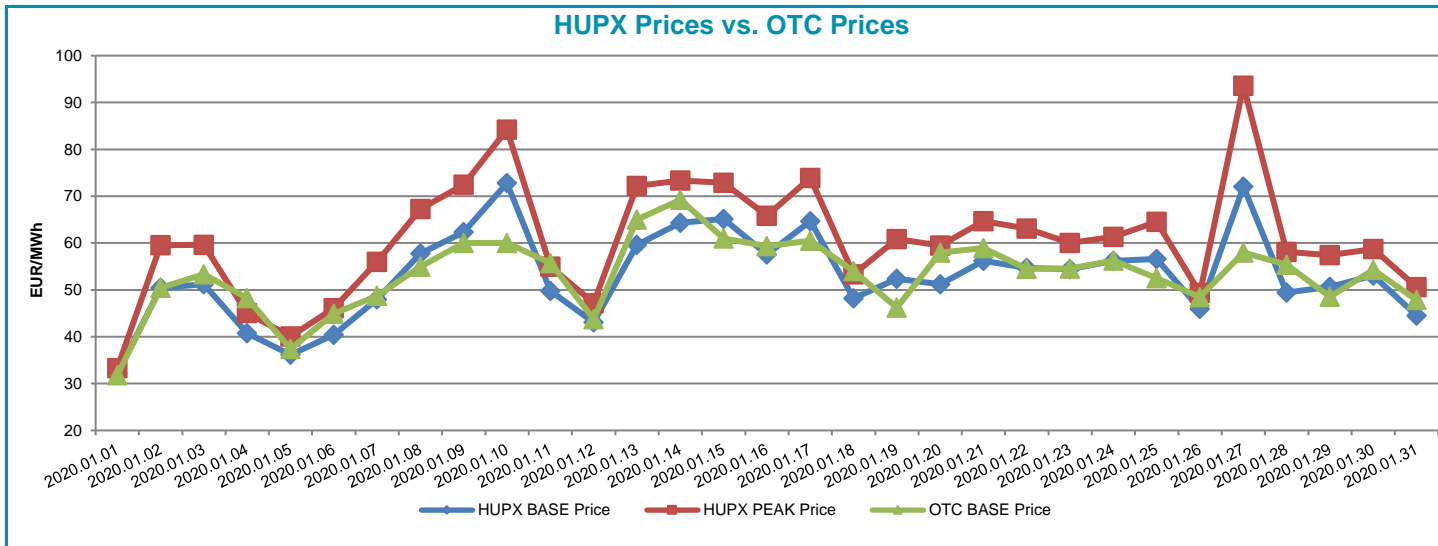
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,84
Trimmed Diff. PL.	HUPX↔OTC	N/A

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

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	3 477,4	4 386,6	2 779,9
H2	3 620,7	4 370,5	2 824,0
H3	3 661,9	4 258,0	2 764,0
H4	3 686,9	4 214,7	2 721,7
H5	3 599,1	4 180,1	2 669,2
H6	3 292,6	4 204,1	2 540,3
H7	3 090,6	4 250,6	2 534,0
H8	3 193,6	4 497,9	2 672,8
H9	3 085,2	4 435,8	2 599,4
H10	3 245,5	4 566,6	2 749,4
H11	3 333,2	4 631,7	2 821,4
H12	3 358,5	4 714,6	2 889,7
H13	3 359,4	4 730,4	2 906,1
H14	3 242,0	4 621,0	2 782,8
H15	3 197,1	4 585,7	2 743,3
H16	3 129,1	4 545,0	2 670,7
H17	3 143,1	4 633,1	2 685,8
H18	3 320,5	4 750,9	2 839,4
H19	3 382,6	4 687,3	2 857,0
H20	3 340,2	4 661,0	2 824,7
H21	3 376,6	4 670,8	2 838,1
H22	3 300,7	4 540,4	2 750,9
H23	3 378,7	4 561,0	2 831,6
H24	3 380,3	4 414,1	2 776,1
<b>Σ</b>	<b>80 195,3</b>	<b>108 111,7</b>	<b>66 072,5</b>

Base	
MIN (offer)	3 085,2
MAX (offer)	3 686,9
MIN (bid)	4 180,1
MAX (bid)	4 750,9
Average (offer)	3 341,5
Average (bid)	4 504,7

Peak	
MIN (offer)	3 085,2
MAX (offer)	3 382,6
MIN (bid)	4 435,8
MAX (bid)	4 750,9
Average (offer)	3 261,4
Average (bid)	4 630,3

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

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

Hour	Offers	Bids	Index volumes
H1	107 799,7	135 983,2	86 176,4
H2	112 241,3	135 485,5	87 545,2
H3	113 517,8	131 999,0	85 685,1
H4	114 293,0	130 654,7	84 373,7
H5	111 571,7	129 584,0	82 746,7
H6	102 069,4	130 326,8	78 750,8
H7	95 808,0	131 768,5	78 552,9
H8	99 002,4	139 434,1	82 857,7
H9	95 639,8	137 509,9	80 581,7
H10	100 611,4	141 563,7	85 232,2
H11	103 328,4	143 582,5	87 463,4
H12	104 112,3	146 153,0	89 581,3
H13	104 142,1	146 642,2	90 090,2
H14	100 502,6	143 250,0	86 267,1
H15	99 109,4	142 157,3	85 041,6
H16	97 001,4	140 896,5	82 790,7
H17	97 436,0	143 625,0	83 259,5
H18	102 934,7	147 277,0	88 021,1
H19	104 860,4	145 304,8	88 565,7
H20	103 546,5	144 491,2	87 565,0
H21	104 674,6	144 794,6	87 982,1
H22	102 322,4	140 752,8	85 278,7
H23	104 738,4	141 391,1	87 779,3
H24	104 789,6	136 835,9	86 058,9
<b>Σ</b>	<b>2 486 053,3</b>	<b>3 351 463,3</b>	<b>2 048 247,0</b>

Base	
MIN (offer)	95 639,8
MAX (offer)	114 293,0
MIN (bid)	129 584,0
MAX (bid)	147 277,0
Average (offer)	103 585,6
Average (bid)	139 644,3

Peak	
MIN (offer)	95 639,8
MAX (offer)	104 860,4
MIN (bid)	137 509,9
MAX (bid)	147 277,0
Average (offer)	101 102,1
Average (bid)	143 537,8

# HUPX DAM

## Traded Volume By Portfolios

