

## Monthly Report August 2019

In August the total traded volume increased by 5,98% to 1 804 860,8 MWh compared to 1 703 067,0 MWh in July. The average daily traded volume was 58 221,3 MWh. The highest daily traded volume was 67 951,7 MWh on 23.8.2019. delivery day. The number of admitted members was 57 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

#### New member

- Ezpada AG - organizacna zlozka zahranicnej osoby

#### 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
- 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 s.r.o.
- 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
- 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
- VERBUND Trading GmbH
- Vitol Gas & Power B.V.
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.

### HUPX Day-Ahead Market

Description	7/2019	8/2019	Change	
HUPX Base Average Price (EUR/MWh)*	54,95	58,69	3,73	6,80%
HUPX Peak Average Price (EUR/MWh)*	61,08	66,95	5,87	9,62%
HUPX Base Trimmed Mean Price (EUR/MWh)**	55,29	57,62	2,33	4,22%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	61,40	65,46	4,05	6,60%
OTC Base Trimmed Mean Price (EUR/MWh)**	54,22	56,87	2,65	4,88%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	-1,07	-0,51	0,56	-51,98%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	84,61	135,03	50,42	59,59%
Lowest Traded Price (EUR/MWh)	17,88	20,72	2,84	15,88%

Total Turnover (EUR)	93 996 492	106 148 403	12 151 912	12,93%
Average Daily Turnover (EUR)	3 032 145	3 424 142	391 997	12,93%
Max. Daily Turnover (EUR)	4 433 452	6 099 340	1 665 888	37,58%
Min. Daily Turnover (EUR)	2 182 833	2 241 080	58 248	2,67%

Description	7/2019	8/2019	Change	
Total Volume (MWh)	1 703 067,0	1 804 860,8	101 793,8	5,98%
Average Daily Traded Volume (MWh)	54 937,6	58 221,3	3 283,7	5,98%
Highest Daily Traded Volume (MWh)	68 049,6	67 951,7	-97,9	-0,14%
Lowest Daily Traded Volume(MWh)	47 132,2	46 431,2	-701,0	-1,49%
Highest Hourly Traded Volume (MWh)	3 442,3	3 301,9	-140,4	-4,08%
Lowest Hourly Traded Volume(MWh)	1 570,8	1 593,9	23,1	1,47%
Average Hourly Traded Volume (MWh)	2 289,1	2 425,9	136,8	5,98%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	54 778,3	58 165,9	3 387,7	6,18%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	55 395,8	58 356,7	2 960,9	5,34%

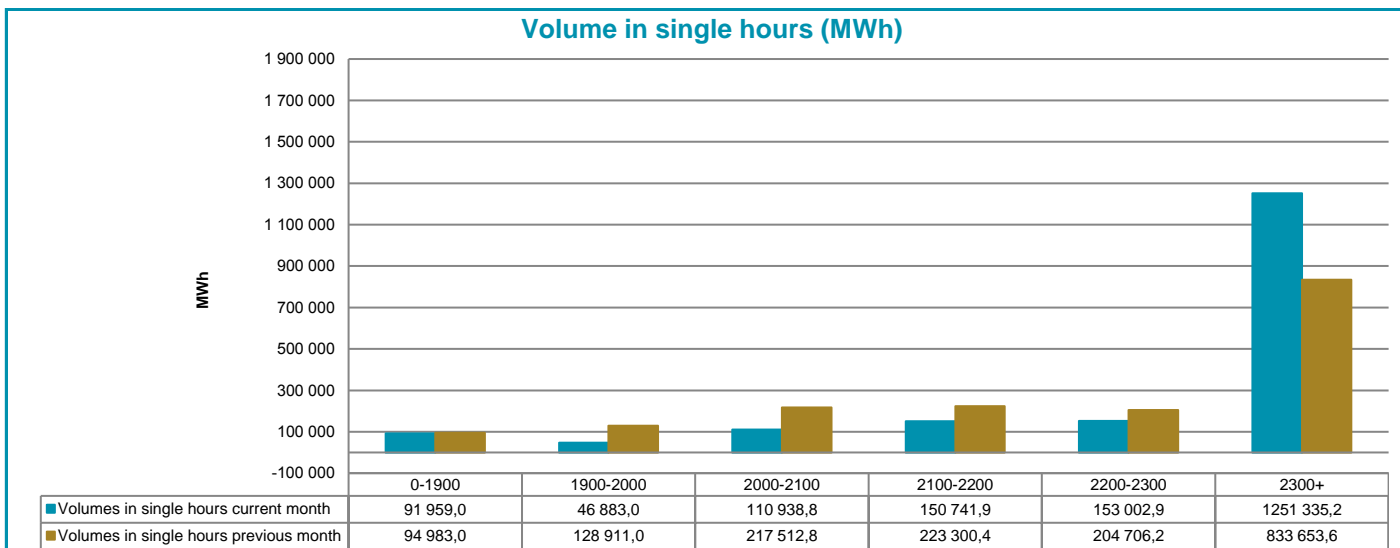
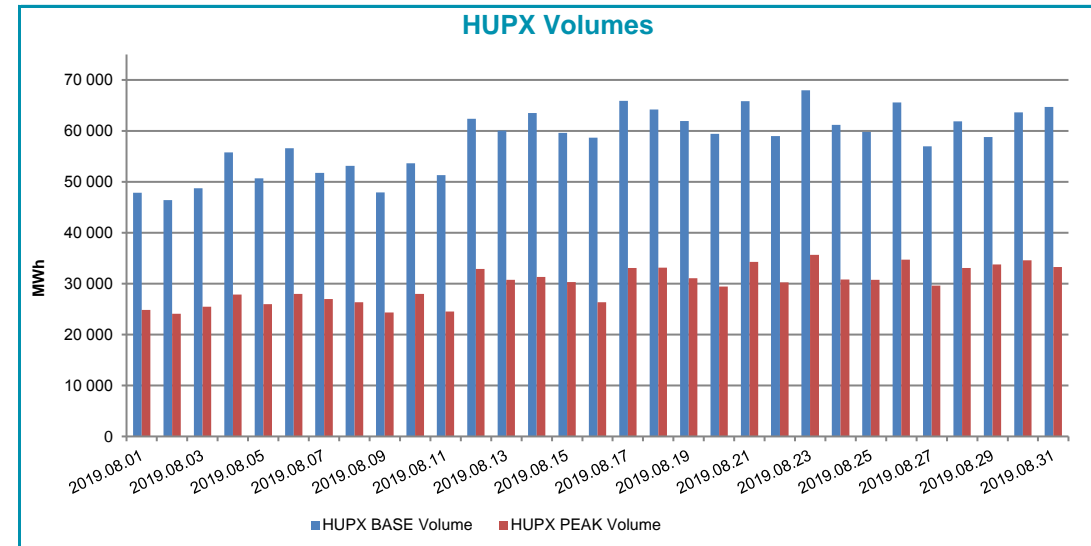
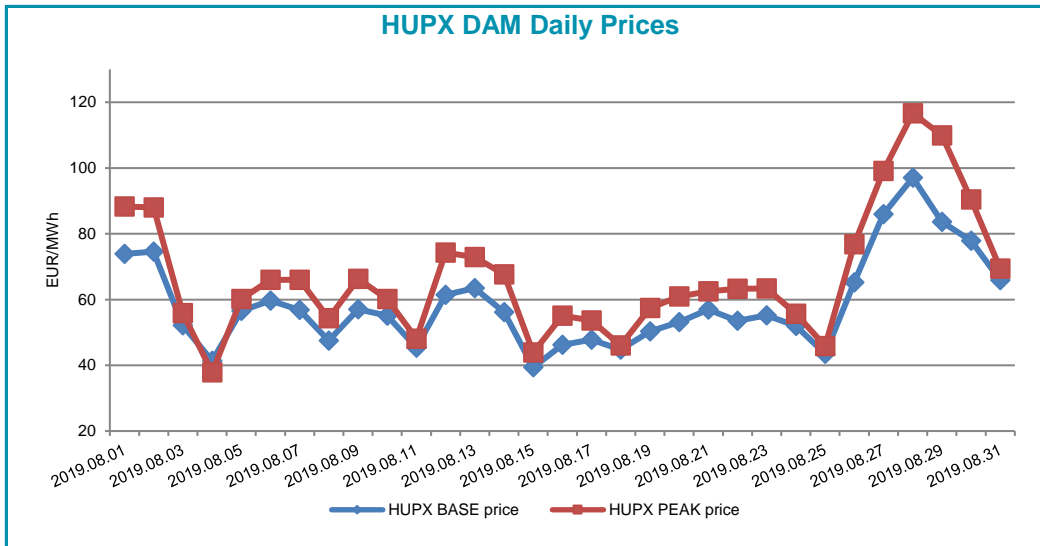
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	28 482,9	29 942,4	1 459,5	5,12%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	28 600,2	29 642,9	1 042,8	3,65%

### 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.

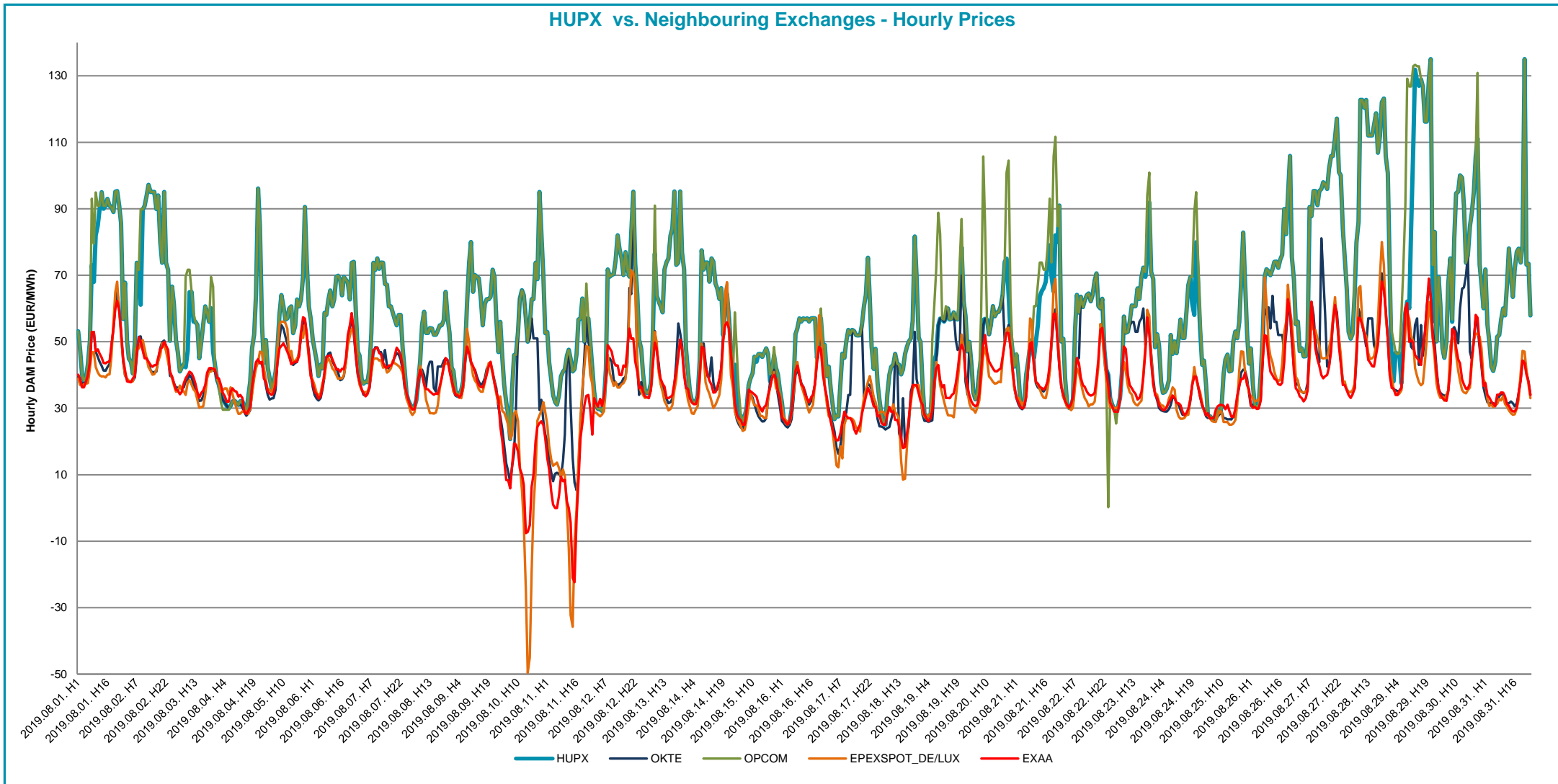
## Prices and volumes



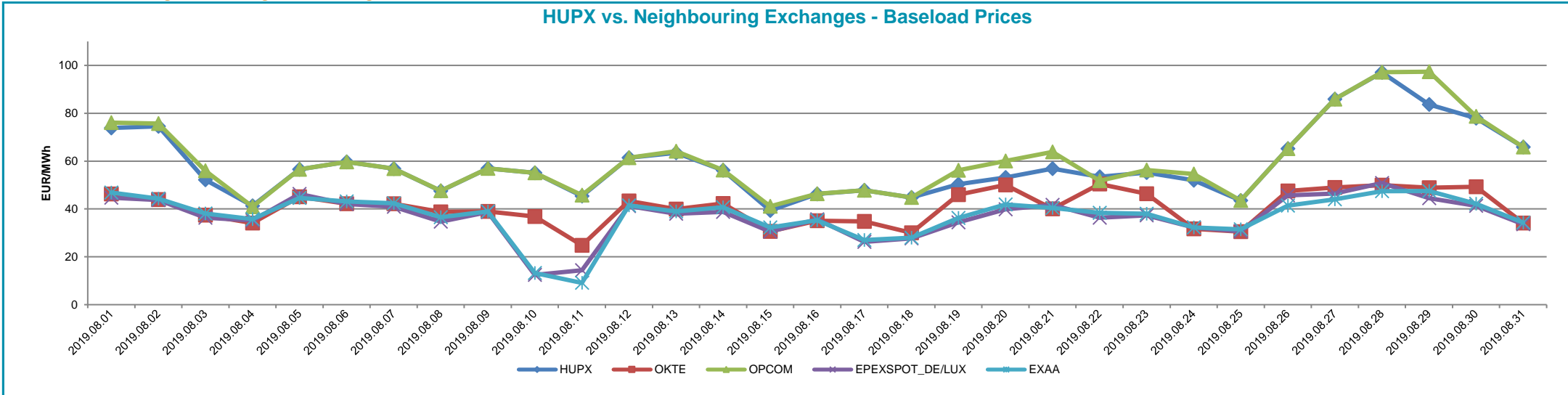
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/08/2019-31/08/2019). 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.

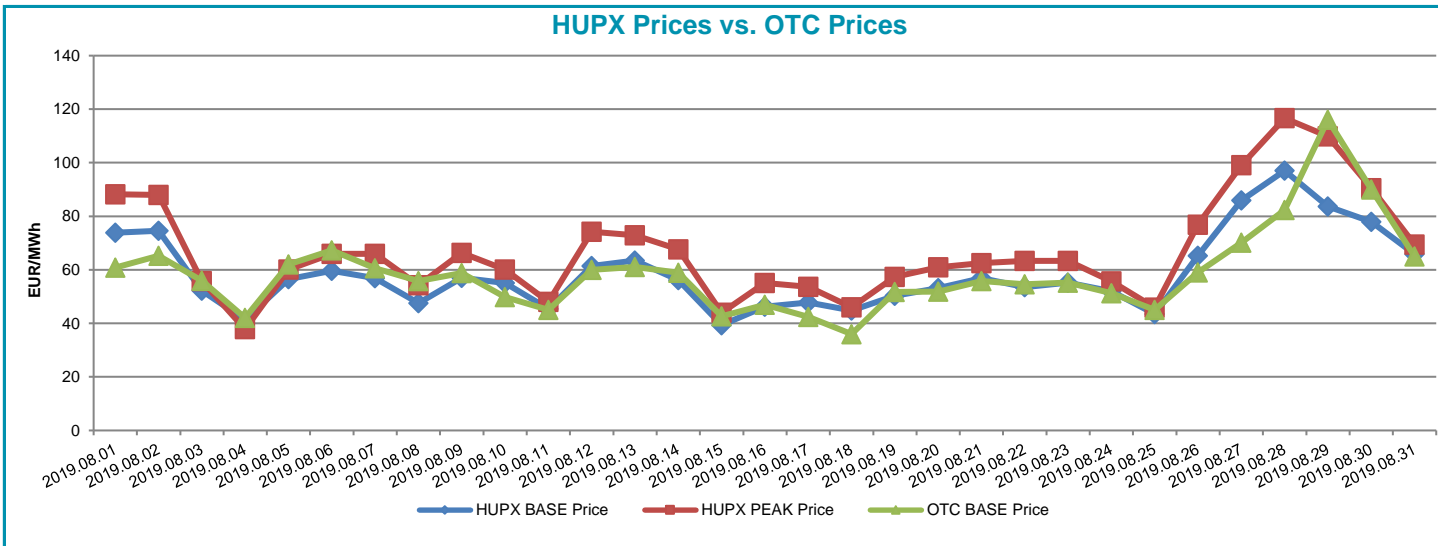
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,51
Trimmed Diff. PL.	HUPX↔OTC	N/A

### Average of aggregated OFFERS/BIDS 01/08/2019-31/08/2019

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	2 846,8	4 022,4	2 417,8
H2	3 000,6	4 022,6	2 502,0
H3	3 033,9	3 916,1	2 453,5
H4	3 018,2	3 796,9	2 422,5
H5	2 967,8	3 768,8	2 371,1
H6	2 882,5	3 760,1	2 337,7
H7	2 769,4	3 802,2	2 304,1
H8	2 716,5	3 805,5	2 239,9
H9	2 772,0	3 879,8	2 339,5
H10	2 865,9	4 052,9	2 477,2
H11	2 951,0	4 109,1	2 566,4
H12	2 993,7	4 185,6	2 633,1
H13	3 028,0	4 258,4	2 686,1
H14	3 018,3	4 221,3	2 658,8
H15	2 960,1	4 136,1	2 597,6
H16	2 902,7	4 119,4	2 539,5
H17	2 825,5	4 101,2	2 481,0
H18	2 708,2	3 983,6	2 373,4
H19	2 662,2	3 838,6	2 287,8
H20	2 592,8	3 768,5	2 215,1
H21	2 667,7	3 968,8	2 335,3
H22	2 723,4	3 856,5	2 323,1
H23	2 652,3	3 836,0	2 267,1
H24	2 874,0	3 915,2	2 391,8
<b>Σ</b>	<b>68 433,4</b>	<b>95 125,4</b>	<b>58 221,3</b>

Base	
MIN (offer)	2 592,8
MAX (offer)	3 033,9
MIN (bid)	3 760,1
MAX (bid)	4 258,4
Average (offer)	2 851,4
Average (bid)	3 963,6

Peak	
MIN (offer)	2 592,8
MAX (offer)	3 028,0
MIN (bid)	3 768,5
MAX (bid)	4 258,4
Average (offer)	2 856,7
Average (bid)	4 054,5

### Aggregated OFFERS/BIDS 01/08/2019-31/08/2019

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

Hour	Offers	Bids	Index volumes
H1	88 250,7	124 694,2	74 952,4
H2	93 017,9	124 699,5	77 562,8
H3	94 051,3	121 399,4	76 058,3
H4	93 565,6	117 703,3	75 098,0
H5	92 001,7	116 834,2	73 503,7
H6	89 356,5	116 563,1	72 468,7
H7	85 850,9	117 866,7	71 425,8
H8	84 211,3	117 969,8	69 435,8
H9	85 931,0	120 272,3	72 523,9
H10	88 844,3	125 639,1	76 792,5
H11	91 480,3	127 381,5	79 559,8
H12	92 805,8	129 753,2	81 626,0
H13	93 868,8	132 010,6	83 269,1
H14	93 566,1	130 859,2	82 423,5
H15	91 763,4	128 220,5	80 526,5
H16	89 983,2	127 701,2	78 724,4
H17	87 589,8	127 137,0	76 909,7
H18	83 953,5	123 491,1	73 574,1
H19	82 526,9	118 996,1	70 922,1
H20	80 378,1	116 824,5	68 668,0
H21	82 699,6	123 031,5	72 393,2
H22	84 425,0	119 551,5	72 015,3
H23	82 220,7	118 914,7	70 280,3
H24	89 093,5	121 371,7	74 146,9
<b>Σ</b>	<b>2 121 435,9</b>	<b>2 948 885,9</b>	<b>1 804 860,8</b>

Base	
MIN (offer)	80 378,1
MAX (offer)	94 051,3
MIN (bid)	116 563,1
MAX (bid)	132 010,6
Average (offer)	88 393,2
Average (bid)	122 870,2

Peak	
MIN (offer)	80 378,1
MAX (offer)	93 868,8
MIN (bid)	116 824,5
MAX (bid)	132 010,6
Average (offer)	88 557,6
Average (bid)	125 690,5

# HUPX DAM

## Traded Volume By Portfolios

