

## Monthly Report July 2019

In July the total traded volume decreased by 9,14% to 1 703 067,0 MWh compared to 1 874 384,9 MWh in June. The average daily traded volume was 54 937,6 MWh. The highest daily traded volume was 68 049,6 MWh on 2.7.2019. delivery day. 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 električne 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

- MOL Magyar Olaj- és Gázipari Nyrt.

#### 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 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
- Monsson Trading S.R.L.
- OAM Ozdi Acelmuvek Kft.
- OMV Gas Marketing & Trading GmbH
- Petrol d.d., Ljubljana
- PPD energija, trgovanje z energijo d.o.o.
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- Slovenske elektrarne, a.s.
- TINMAR ENERGY SA
- Trailstone GmbH
- Vattenfall Energy Trading GmbH
- Vitol Gas & Power B.V.
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.
- Watt and Volt S.A.

### HUPX Day-Ahead Market

Description	6/2019	7/2019	Change	
HUPX Base Average Price (EUR/MWh)*	41,31	54,95	13,64	33,03%
HUPX Peak Average Price (EUR/MWh)*	45,93	61,08	15,15	32,98%
HUPX Base Trimmed Mean Price (EUR/MWh)**	41,52	55,29	13,76	33,14%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	46,15	61,40	15,26	33,06%
OTC Base Trimmed Mean Price (EUR/MWh)**	41,67	54,22	12,55	30,12%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,38	-1,20	-1,58	-416,35%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	77,93	84,61	6,68	8,57%
Lowest Traded Price (EUR/MWh)	10,09	17,88	7,79	77,21%

Total Turnover (EUR)	77 107 837	93 996 492	16 888 655	21,90%
Average Daily Turnover (EUR)	2 570 261	3 032 145	461 884	17,97%
Max. Daily Turnover (EUR)	3 625 926	4 433 452	807 526	22,27%
Min. Daily Turnover (EUR)	1 458 982	2 182 833	723 851	49,61%

Description	6/2019	7/2019	Change	
Total Volume (MWh)	1 874 384,9	1 703 067,0	-171 317,9	-9,14%
Average Daily Traded Volume (MWh)	62 479,5	54 937,6	-7 541,9	-12,07%
Highest Daily Traded Volume (MWh)	76 951,2	68 049,6	-8 901,6	-11,57%
Lowest Daily Traded Volume(MWh)	51 430,8	47 132,2	-4 298,6	-8,36%
Highest Hourly Traded Volume (MWh)	3 869,1	3 442,3	-426,8	-11,03%
Lowest Hourly Traded Volume(MWh)	1 792,0	1 570,8	-221,2	-12,34%
Average Hourly Traded Volume (MWh)	2 603,3	2 289,1	-314,2	-12,07%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	61 008,8	54 778,3	-6 230,6	-10,21%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	65 420,8	55 395,8	-10 025,0	-15,32%

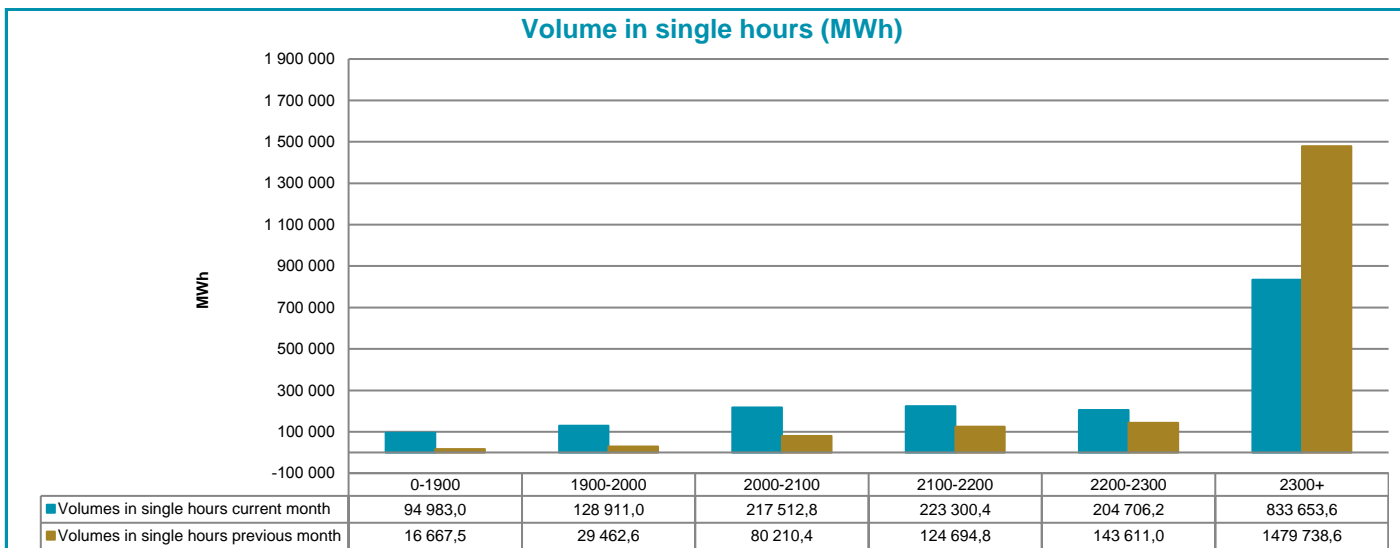
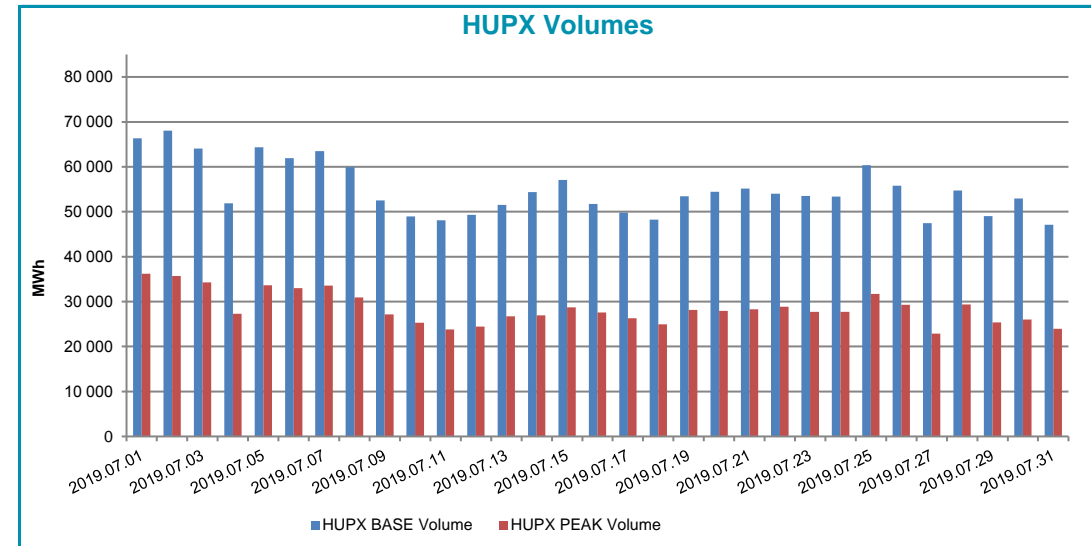
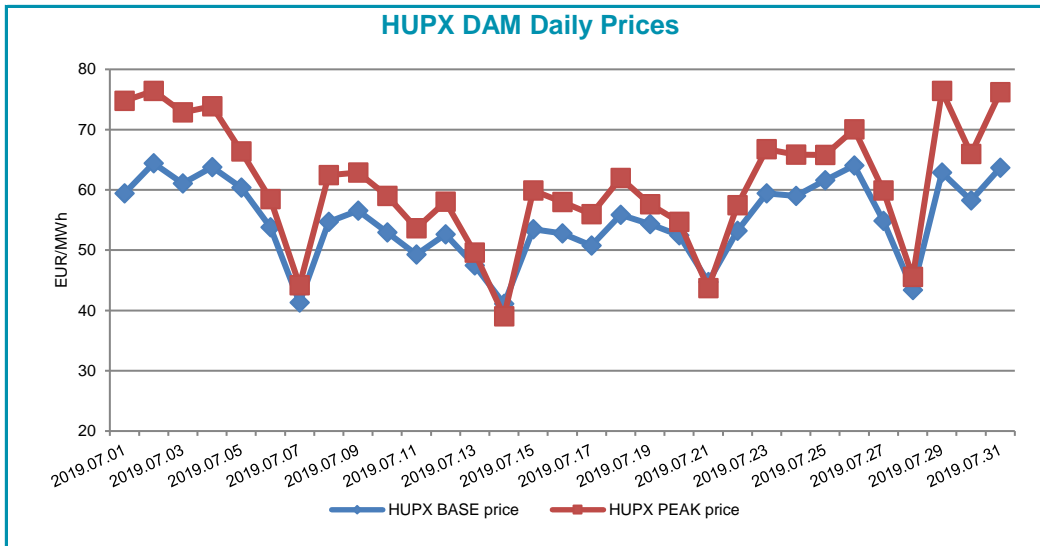
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	32 478,0	28 482,9	-3 995,1	-12,30%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	34 098,6	28 600,2	-5 498,5	-16,13%

### 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.

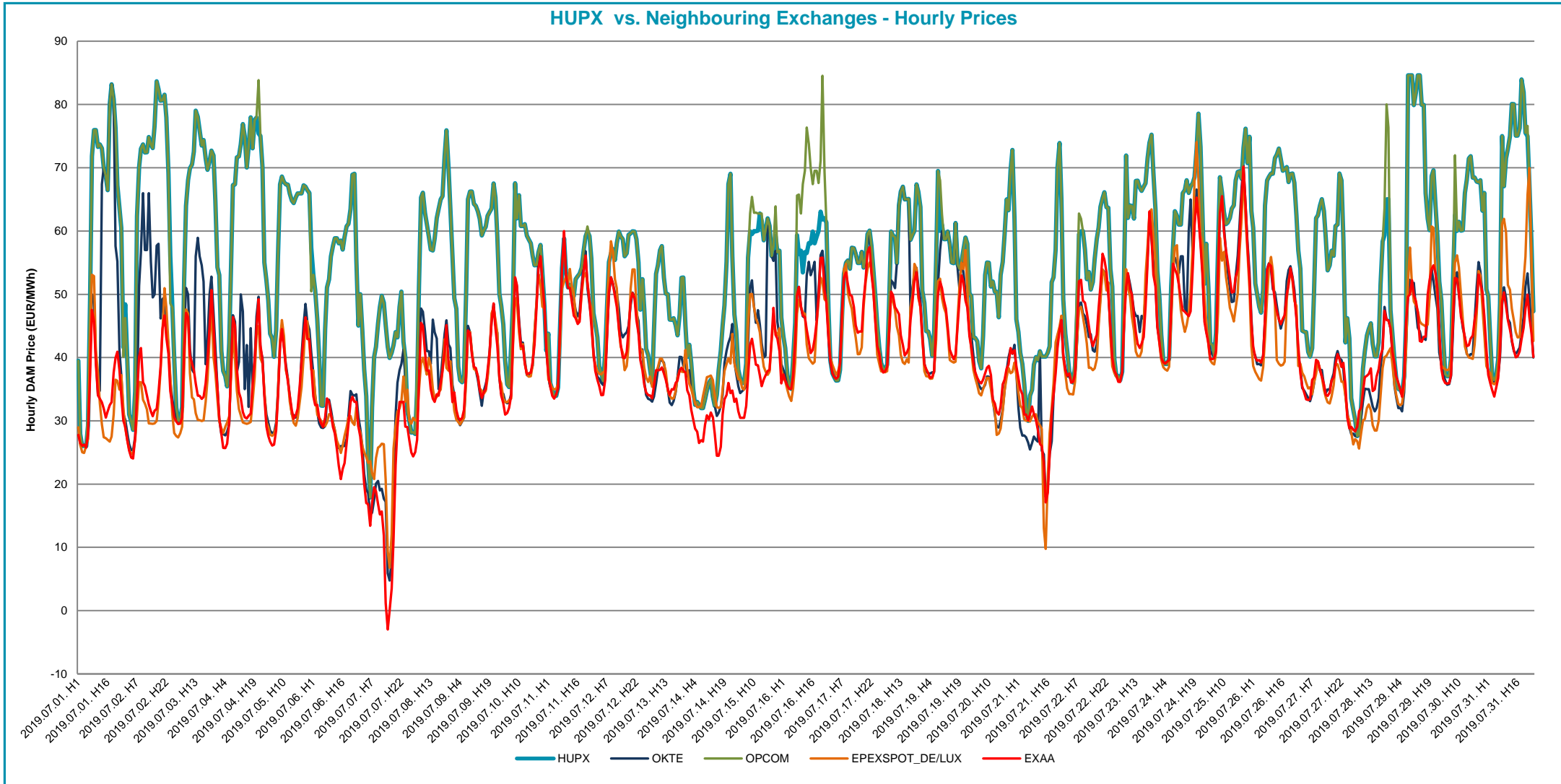
## Prices and volumes



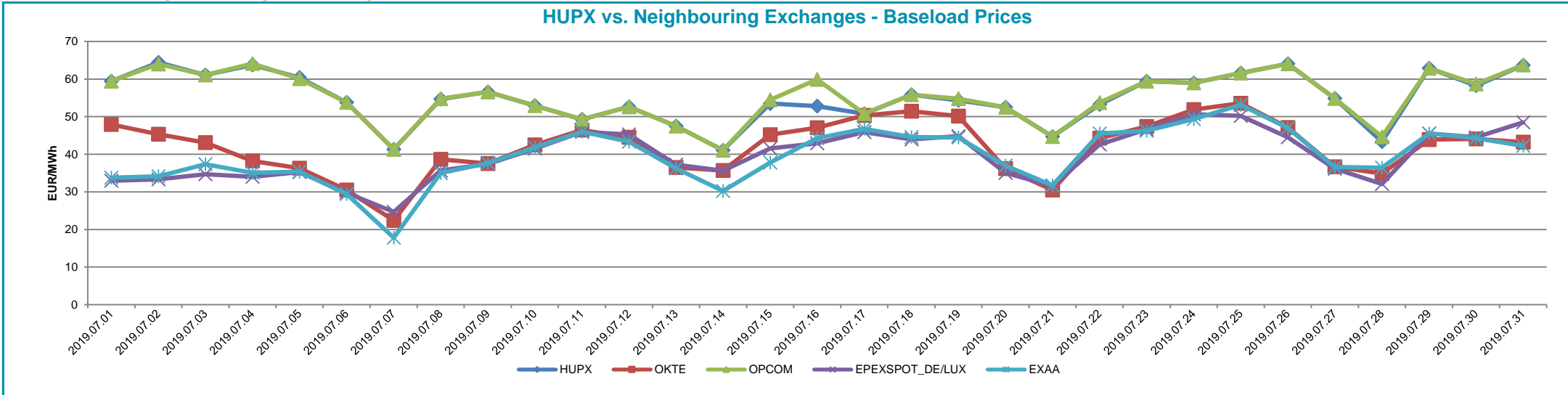
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/07/2019-31/07/2019). 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 2300+ MWh decreased, while the ratio increased regarding the 0-1900 MWh, 1900-2000 MWh, 2000-2100 MWh, 2100-2200 MWh and 2200-2300 MWh.

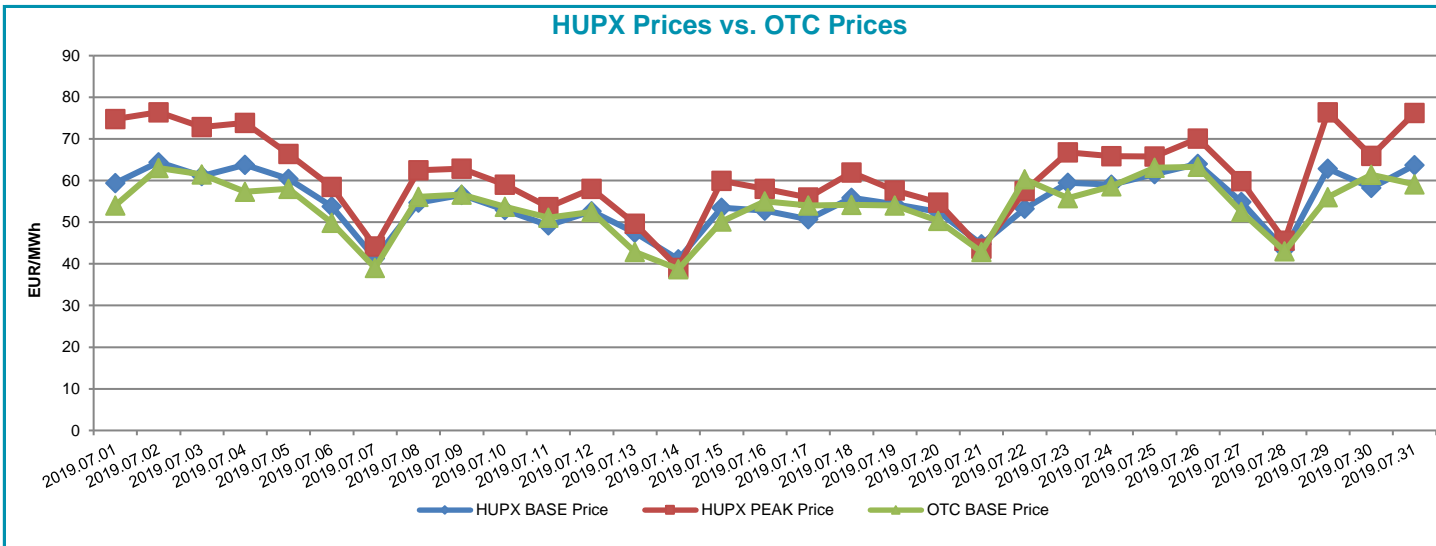
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-1,20
Trimmed Diff. PL.	HUPX↔OTC	N/A

### Average of aggregated OFFERS/BIDS 01/07/2019-31/07/2019

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	2 819,9	3 841,0	2 162,0
H2	2 958,6	3 858,7	2 273,2
H3	3 048,1	3 817,7	2 320,4
H4	3 046,6	3 754,2	2 287,2
H5	3 067,4	3 653,5	2 235,3
H6	2 957,8	3 636,4	2 145,7
H7	2 757,8	3 798,8	2 106,8
H8	2 702,3	3 969,0	2 098,6
H9	2 854,0	4 037,6	2 233,1
H10	2 977,8	4 152,5	2 369,1
H11	3 086,6	4 258,7	2 474,3
H12	3 132,1	4 362,5	2 543,6
H13	3 102,5	4 399,2	2 546,9
H14	3 081,4	4 351,4	2 529,9
H15	3 086,4	4 272,3	2 480,1
H16	3 025,4	4 216,8	2 429,3
H17	2 933,3	4 142,1	2 334,9
H18	2 844,9	4 051,3	2 268,2
H19	2 764,7	3 945,3	2 169,3
H20	2 735,0	3 884,6	2 134,5
H21	2 736,0	3 966,1	2 161,6
H22	2 855,9	4 045,0	2 226,3
H23	2 770,9	3 987,4	2 162,4
H24	2 943,4	3 940,4	2 244,9
<b>Σ</b>	<b>70 288,8</b>	<b>96 342,4</b>	<b>54 937,6</b>

Base	
MIN (offer)	2 702,3
MAX (offer)	3 132,1
MIN (bid)	3 636,4
MAX (bid)	4 399,2
Average (offer)	2 928,7
Average (bid)	4 014,3

Peak	
MIN (offer)	2 735,0
MAX (offer)	3 132,1
MIN (bid)	3 884,6
MAX (bid)	4 399,2
Average (offer)	2 968,7
Average (bid)	4 172,9

### Aggregated OFFERS/BIDS 01/07/2019-31/07/2019

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

Hour	Offers	Bids	Index volumes
H1	87 417,0	119 070,1	67 021,0
H2	91 717,6	119 620,0	70 470,6
H3	94 492,3	118 347,6	71 931,8
H4	94 444,3	116 379,9	70 904,6
H5	95 088,2	113 259,2	69 294,8
H6	91 692,5	112 728,7	66 515,9
H7	85 491,3	117 762,6	65 312,0
H8	83 771,7	123 037,8	65 055,8
H9	88 474,1	125 167,0	69 225,6
H10	92 312,9	128 727,0	73 441,7
H11	95 685,6	132 020,4	76 703,4
H12	97 094,4	135 238,8	78 850,7
H13	96 177,6	136 374,2	78 954,3
H14	95 523,4	134 893,1	78 427,6
H15	95 678,9	132 441,7	76 884,4
H16	93 786,4	130 721,7	75 307,3
H17	90 931,3	128 406,4	72 382,1
H18	88 191,5	125 589,9	70 315,0
H19	85 705,2	122 303,6	67 248,2
H20	84 786,5	120 421,6	66 168,8
H21	84 816,2	122 949,7	67 010,8
H22	88 534,0	125 394,5	69 014,3
H23	85 896,4	123 607,9	67 035,6
H24	91 244,3	122 152,4	69 590,7
<b>Σ</b>	<b>2 178 953,6</b>	<b>2 986 615,8</b>	<b>1 703 067,0</b>

Base	
MIN (offer)	83 771,7
MAX (offer)	97 094,4
MIN (bid)	112 728,7
MAX (bid)	136 374,2
Average (offer)	90 789,7
Average (bid)	124 442,3

Peak	
MIN (offer)	84 786,5
MAX (offer)	97 094,4
MIN (bid)	120 421,6
MAX (bid)	136 374,2
Average (offer)	92 029,0
Average (bid)	129 358,8

# HUPX DAM

## Traded Volume By Portfolios

