

## Monthly Report April 2019

In April the total traded volume decreased by 6,17% to 1 892 144,6 MWh compared to 2 016 605,3 MWh in March. The average daily traded volume was 63 071,5 MWh. The highest daily traded volume was 76 812,9 MWh on 2.4.2019. 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.
- Energy Financing Team (Switzerland) AG
- 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

- Energy Financing Team

#### 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
- Ekologické Zdroje Energie s.r.o.
- Enel Global Trading S.p.A.
- Energi Danmark A/S
- ENERGIEALLIANZ Austria GmbH
- Energo-pro Trading JSC
- 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
- VERBUND AG
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.

### HUPX Day-Ahead Market

Description	3/2019	4/2019	Change	
HUPX Base Average Price (EUR/MWh)*	39,71	46,47	6,76	17,03%
HUPX Peak Average Price (EUR/MWh)*	44,05	49,86	5,81	13,19%
HUPX Base Trimmed Mean Price (EUR/MWh)**	40,00	46,75	6,75	16,87%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	44,29	50,13	5,84	13,19%
OTC Base Trimmed Mean Price (EUR/MWh)**	40,22			
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,30			
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	77,96	84,20	6,24	8,00%
Lowest Traded Price (EUR/MWh)	1,02	0,02	-1,00	-98,04%

Total Turnover (EUR)	80 946 197	89 163 664	8 217 466	10,15%
Average Daily Turnover (EUR)	2 612 174	2 972 122	359 948	13,78%
Max. Daily Turnover (EUR)	3 603 694	4 345 287	741 592	20,58%
Min. Daily Turnover (EUR)	1 488 834	1 672 748	183 914	12,35%

Description	3/2019	4/2019	Change	
Total Volume (MWh)	2 016 605,3	1 892 144,6	-124 460,7	-6,17%
Average Daily Traded Volume (MWh)	65 062,4	63 071,5	-1 990,9	-3,06%
Highest Daily Traded Volume (MWh)	76 891,4	76 812,9	-78,5	-0,10%
Lowest Daily Traded Volume(MWh)	57 138,9	52 023,9	-5 115,0	-8,95%
Highest Hourly Traded Volume (MWh)	3 729,1	3 790,8	61,7	1,65%
Lowest Hourly Traded Volume(MWh)	1 892,1	1 646,1	-246,0	-13,00%
Average Hourly Traded Volume (MWh)	2 714,1	2 628,0	-86,2	-3,17%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	65 183,2	63 966,7	-1 216,5	-1,87%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	64 775,8	60 609,6	-4 166,1	-6,43%

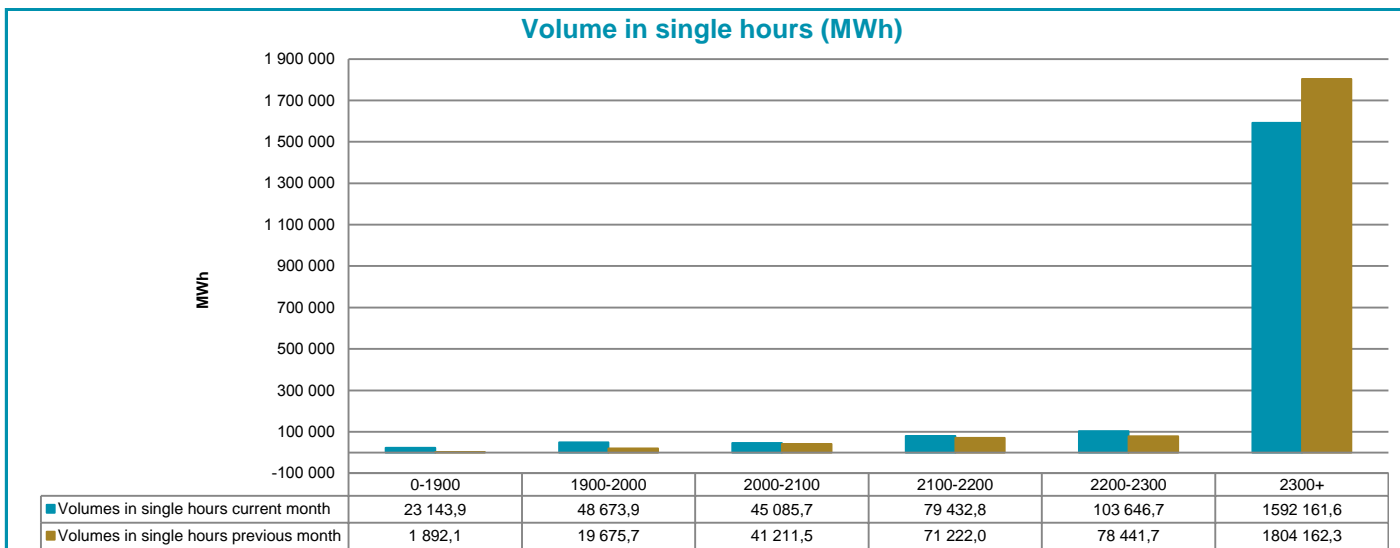
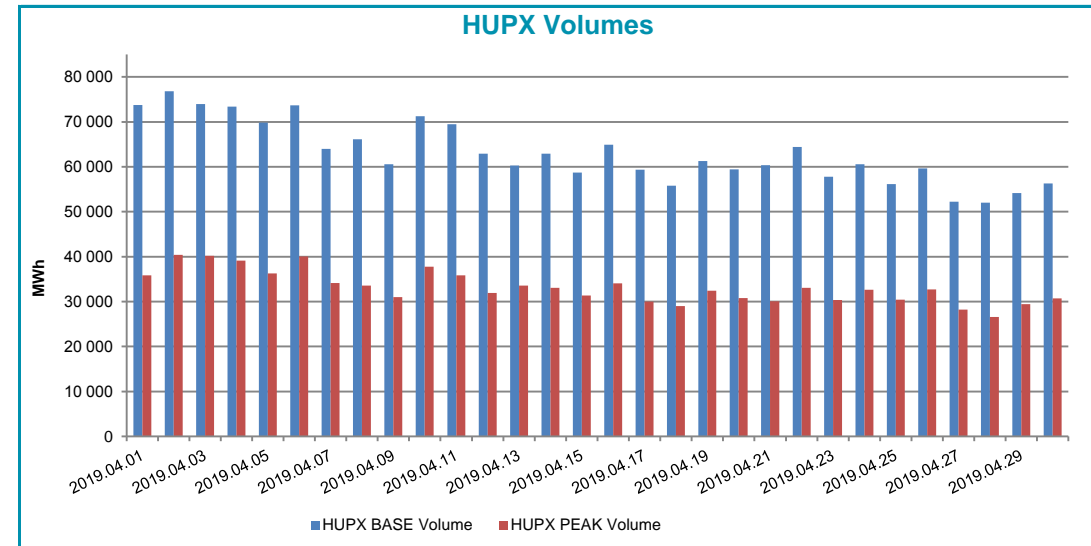
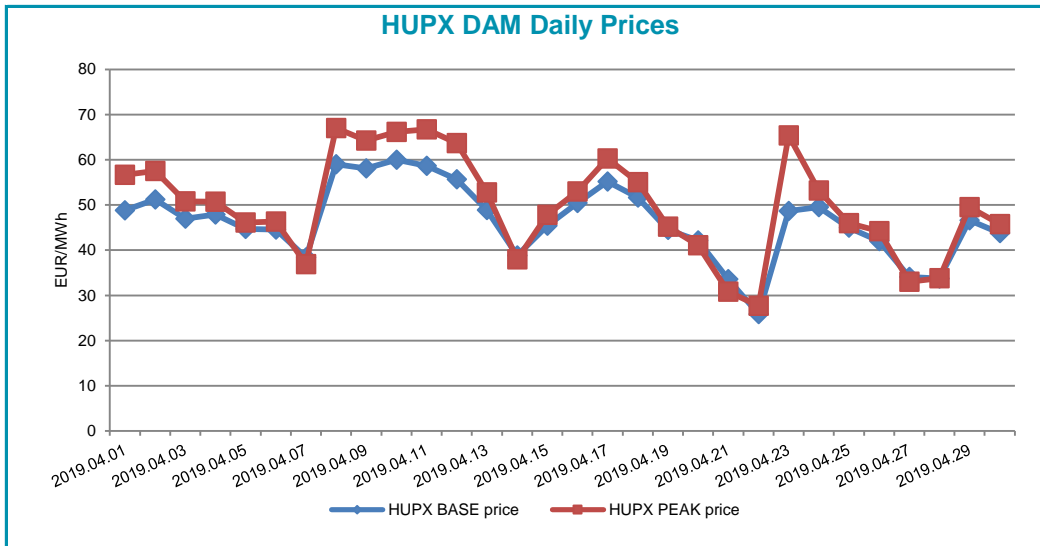
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	34 276,8	33 547,0	-729,8	-2,13%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	34 742,3	32 070,0	-2 672,4	-7,69%

### 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.

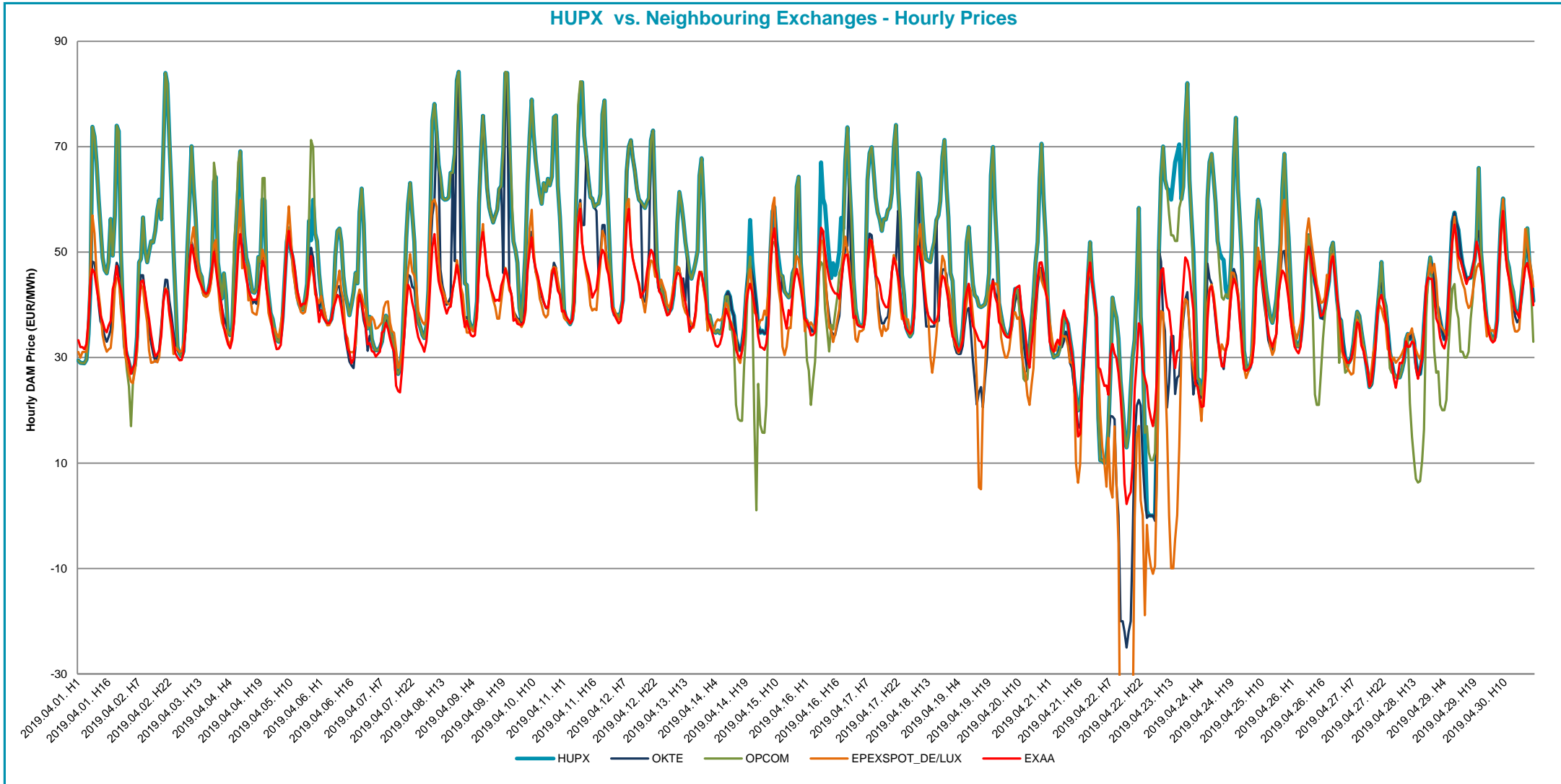
## Prices and volumes



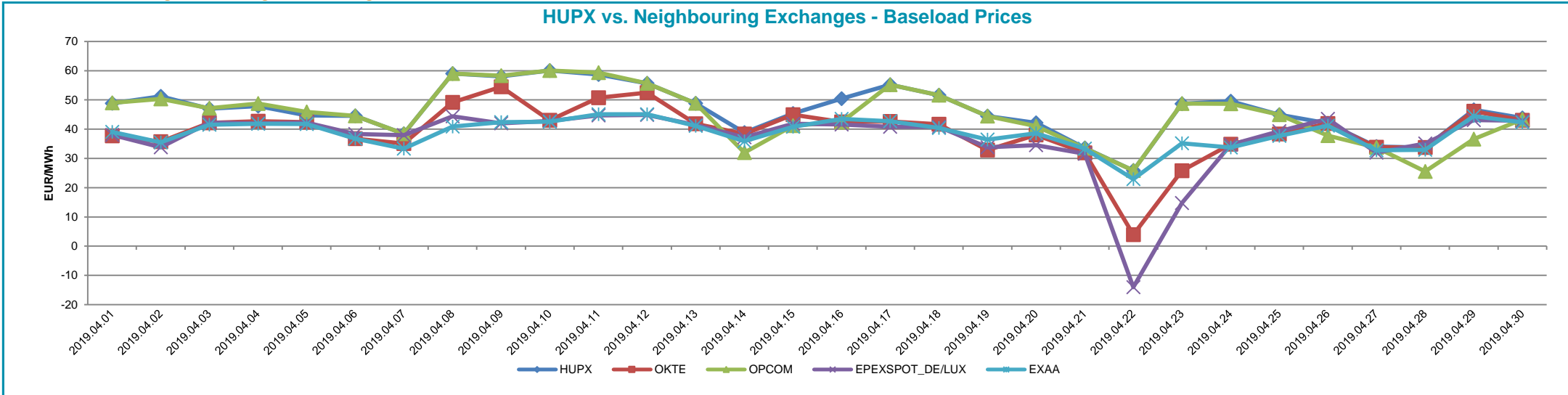
**Note:**

The bar chart shows the traded volumes in single hours in the examined period (01/04/2019-30/04/2019). 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.

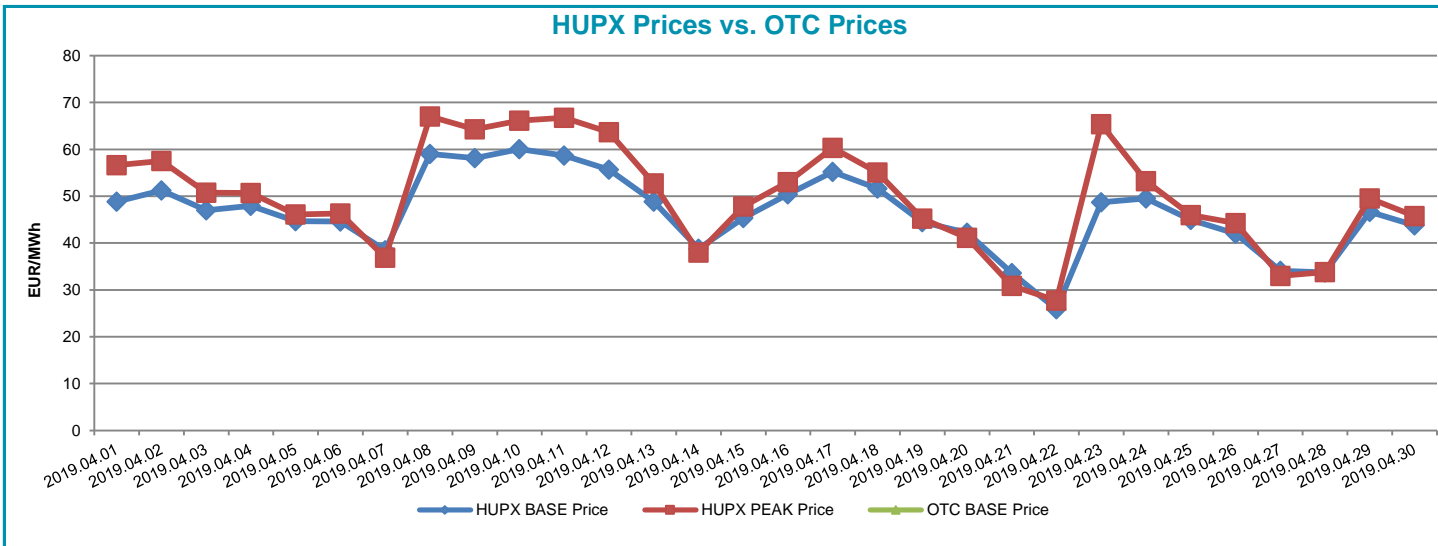
## HUPX vs. Neighbouring Exchanges - Hourly Prices



## HUPX vs. Neighbouring Exchanges - Baseload Prices



## HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	
Trimmed Diff. PL.	HUPX↔OTC	N/A

### Average of aggregated OFFERS/BIDS 01/04/2019-30/04/2019

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	3 389,5	3 672,8	2 428,9
H2	3 470,2	3 669,7	2 456,8
H3	3 414,0	3 570,3	2 356,6
H4	3 386,7	3 525,2	2 305,1
H5	3 377,4	3 543,0	2 329,3
H6	3 373,0	3 613,0	2 385,9
H7	3 369,1	3 853,5	2 488,4
H8	3 460,2	4 139,8	2 679,8
H9	3 480,6	4 069,9	2 649,0
H10	3 592,1	4 123,9	2 731,1
H11	3 686,5	4 190,1	2 838,6
H12	3 711,9	4 224,7	2 869,0
H13	3 679,3	4 222,1	2 869,1
H14	3 653,5	4 181,8	2 842,5
H15	3 635,6	4 149,5	2 804,8
H16	3 647,9	4 149,6	2 802,9
H17	3 587,4	4 139,4	2 760,0
H18	3 541,2	4 061,8	2 679,8
H19	3 535,8	4 028,7	2 656,8
H20	3 435,4	4 160,5	2 649,5
H21	3 440,6	4 283,9	2 761,8
H22	3 537,2	4 068,1	2 697,6
H23	3 361,1	3 856,2	2 534,8
H24	3 423,4	3 696,4	2 493,4
<b>Σ</b>	<b>84 189,7</b>	<b>95 193,8</b>	<b>63 071,5</b>

Base	
MIN (offer)	3 361,1
MAX (offer)	3 711,9
MIN (bid)	3 525,2
MAX (bid)	4 283,9
Average (offer)	3 507,9
Average (bid)	3 966,4

Peak	
MIN (offer)	3 435,4
MAX (offer)	3 711,9
MIN (bid)	4 028,7
MAX (bid)	4 224,7
Average (offer)	3 598,9
Average (bid)	4 141,8

### Aggregated OFFERS/BIDS 01/04/2019-30/04/2019

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

Hour	Offers	Bids	Index volumes
H1	101 684,2	110 184,8	72 866,6
H2	104 106,1	110 089,6	73 704,1
H3	102 419,8	107 109,5	70 698,2
H4	101 599,9	105 756,0	69 153,9
H5	101 321,1	106 288,8	69 878,0
H6	101 190,8	108 390,5	71 576,2
H7	101 074,1	115 603,9	74 653,1
H8	103 806,4	124 193,8	80 395,4
H9	104 416,7	122 098,1	79 471,3
H10	107 763,8	123 718,4	81 934,4
H11	110 596,3	125 701,7	85 156,9
H12	111 357,6	126 742,2	86 069,0
H13	110 379,6	126 663,7	86 073,2
H14	109 605,9	125 452,9	85 276,2
H15	109 069,2	124 484,1	84 143,4
H16	109 438,1	124 487,1	84 087,4
H17	107 621,0	124 181,1	82 799,8
H18	106 234,8	121 852,9	80 393,5
H19	106 072,9	120 860,3	79 703,8
H20	103 063,3	124 816,1	79 485,0
H21	103 217,0	128 516,1	82 854,8
H22	106 115,2	122 044,3	80 926,8
H23	100 833,4	115 685,0	76 042,8
H24	102 702,3	110 893,3	74 800,8
<b>Σ</b>	<b>2 525 689,5</b>	<b>2 855 814,2</b>	<b>1 892 144,6</b>

Base	
MIN (offer)	100 833,4
MAX (offer)	111 357,6
MIN (bid)	105 756,0
MAX (bid)	128 516,1
Average (offer)	105 237,1
Average (bid)	118 992,3

Peak	
MIN (offer)	103 063,3
MAX (offer)	111 357,6
MIN (bid)	120 860,3
MAX (bid)	126 742,2
Average (offer)	107 968,3
Average (bid)	124 254,9

# HUPX DAM

## Traded Volume By Portfolios

