

Monthly Report March 2019

HUPX DAM market reached record traded volume in March. In March the total traded volume increased by 17,3% to 2 016 605,3 MWh compared to 1 719 199,7 MWh in February. The average daily traded volume was 65 062,4 MWh. The highest daily traded volume was 76 891,4 MWh on 16.3.2019. 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.
- Energy Financing Team (Switzerland) AG
- GEN-I, trgovanje in prodaja električne energije, d.o.o.
- Holding Slovenske Elektranje 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
- Energija Naturalis Int d.o.o.
- 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 Acelmuevek Kft.
- OMV Gas Marketing & Trading GmbH
- Petrol d.d., Ljubljana
- RIGHT POWER, a.s.
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- Slovenske elektrarne, a.s.
- TINMAR ENERGY SA
- Trailstone GmbH
- Vattenfall Energy Trading GmbH
- VERBUND AG
- Vitol Gas & Power B.V.
- Watt and Volt S.A.

HUPX Day-Ahead Market

Description	2/2019	3/2019	Change	
HUPX Base Average Price (EUR/MWh)*	49,56	39,71	-9,86	-19,89%
HUPX Peak Average Price (EUR/MWh)*	55,94	44,05	-11,89	-21,26%
HUPX Base Trimmed Mean Price (EUR/MWh)**	49,43	40,00	-9,43	-19,07%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	55,42	44,29	-11,13	-20,08%
OTC Base Trimmed Mean Price (EUR/MWh)**	50,21	40,22	-9,99	-19,90%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,80	0,31	-0,49	-61,57%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	85,44	77,96	-7,48	-8,75%
Lowest Traded Price (EUR/MWh)	15,39	1,02	-14,37	-93,37%

Total Turnover (EUR)	84 579 088	80 946 197	-3 632 891	-4,30%
Average Daily Turnover (EUR)	3 020 682	2 612 174	-408 508	-13,52%
Max. Daily Turnover (EUR)	3 886 833	3 603 694	-283 139	-7,28%
Min. Daily Turnover (EUR)	2 107 495	1 488 834	-618 661	-29,36%

Description	2/2019	3/2019	Change	
Total Volume (MWh)	1 719 199,7	2 016 605,3	297 405,6	17,30%
Average Daily Traded Volume (MWh)	61 400,0	65 062,4	3 662,4	5,96%
Highest Daily Traded Volume (MWh)	77 811,2	76 891,4	-919,8	-1,18%
Lowest Daily Traded Volume(MWh)	53 565,4	57 138,9	3 573,5	6,67%
Highest Hourly Traded Volume (MWh)	3 737,9	3 729,1	-8,8	-0,24%
Lowest Hourly Traded Volume(MWh)	1 779,6	1 892,1	112,5	6,32%
Average Hourly Traded Volume (MWh)	2 558,3	2 714,1	155,8	6,09%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	62 311,2	65 183,2	2 872,0	4,61%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	59 121,9	64 775,8	5 653,9	9,56%

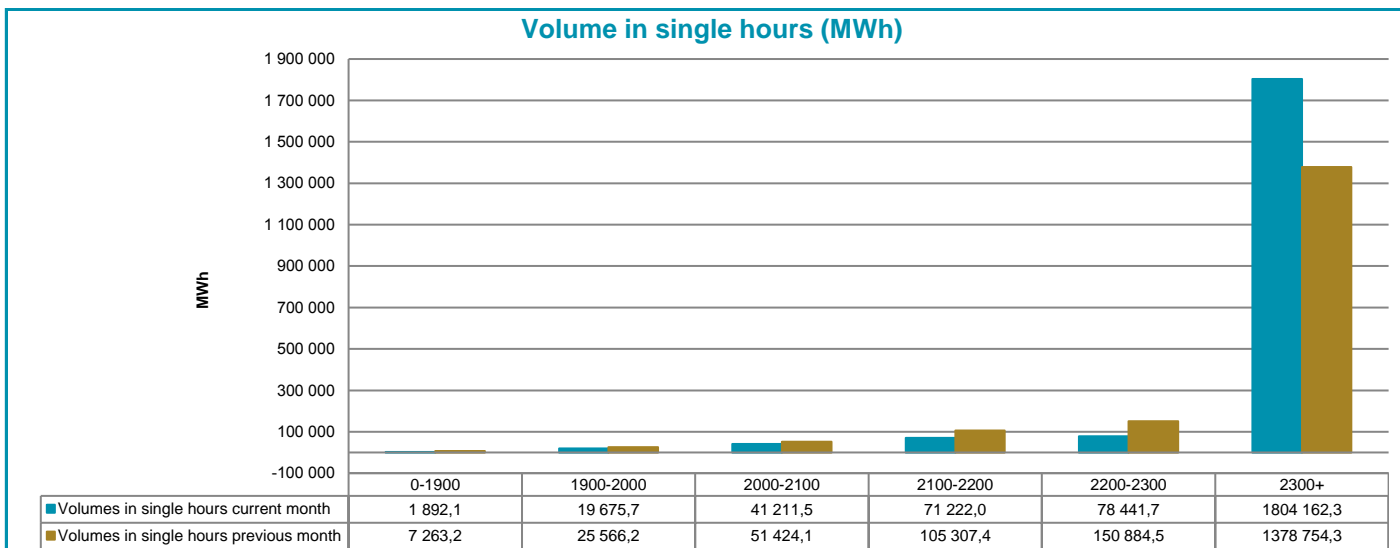
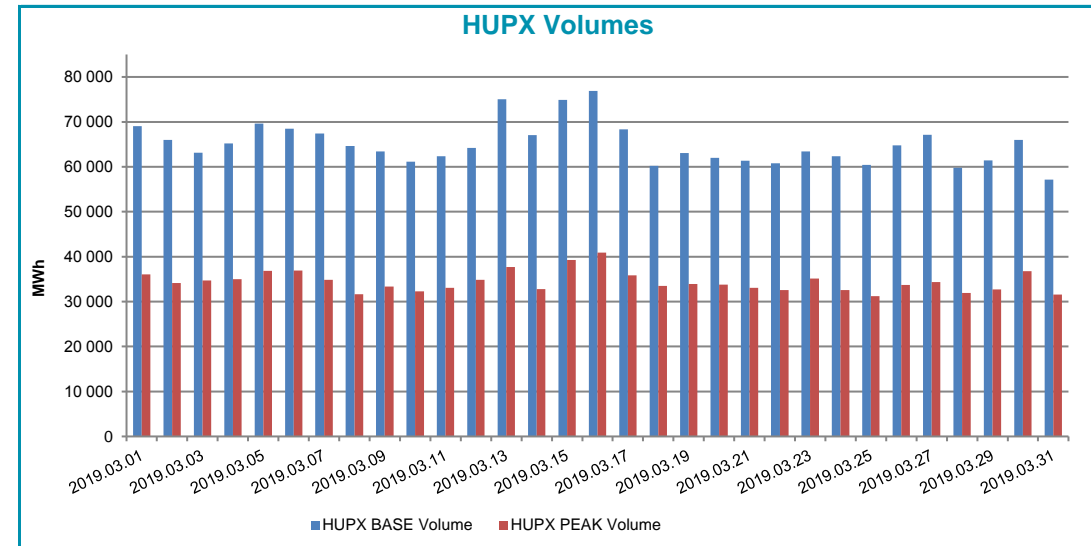
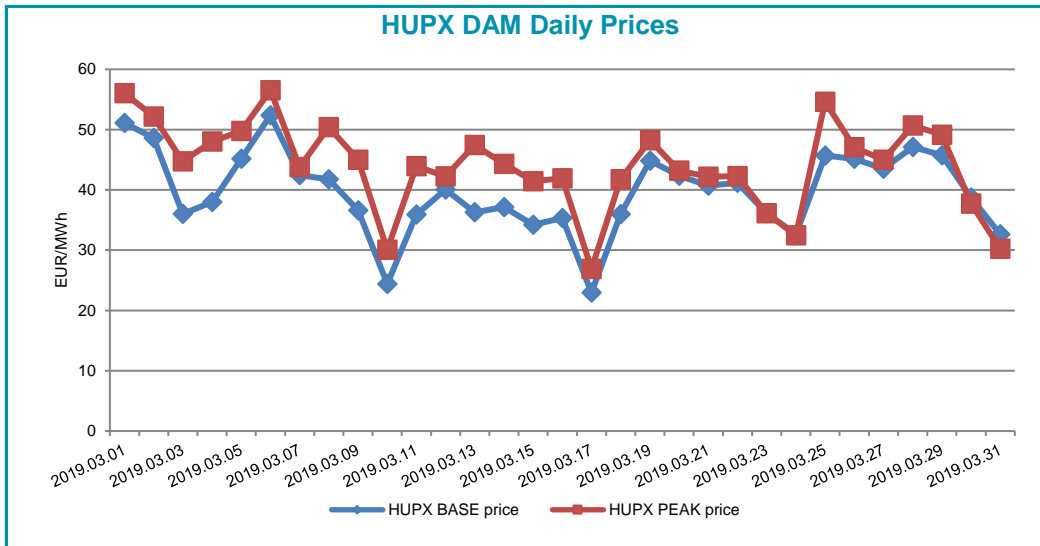
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	31 030,9	34 276,8	3 245,9	10,46%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	29 523,0	34 742,3	5 219,3	17,68%

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.

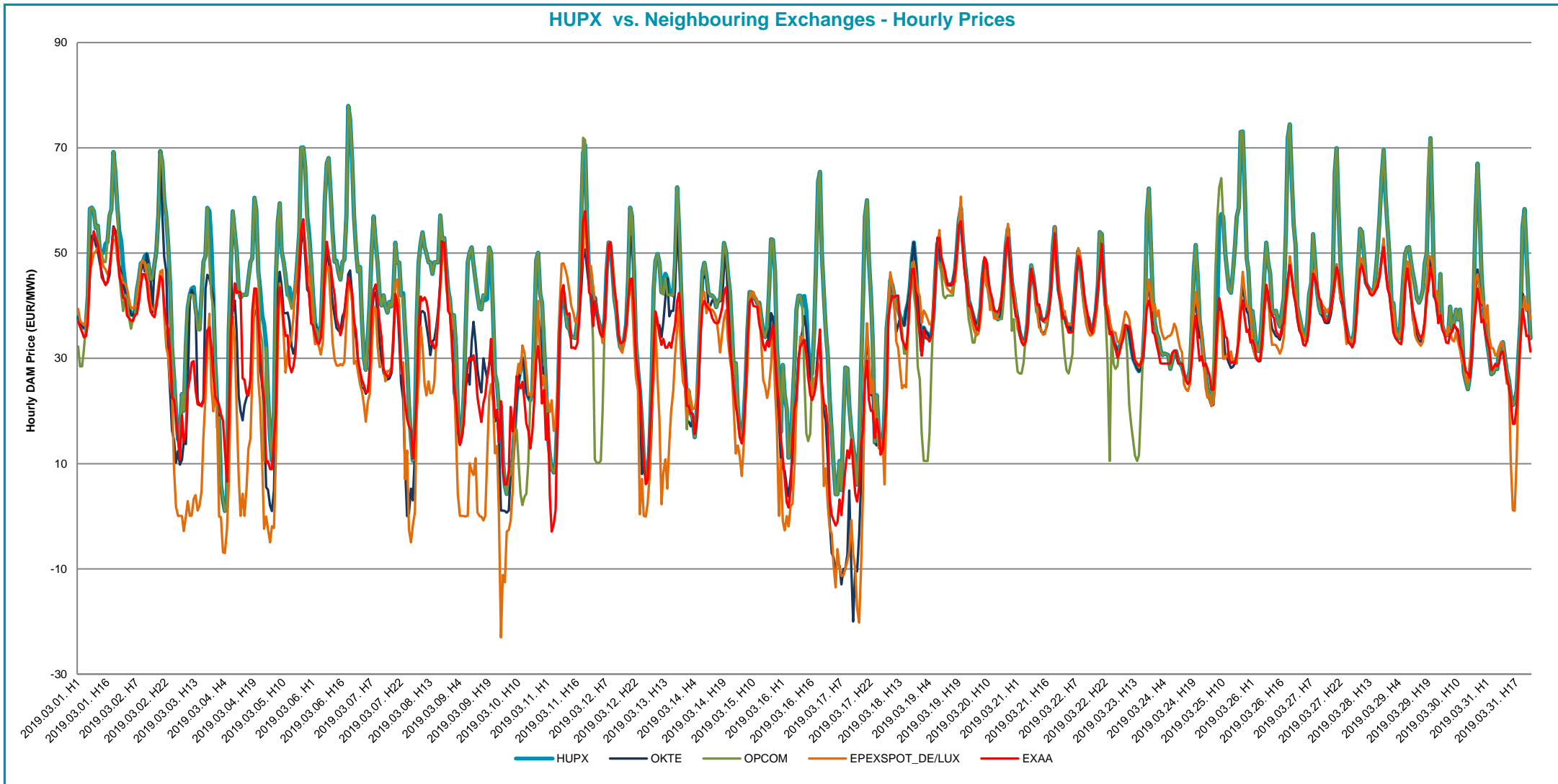
Prices and volumes



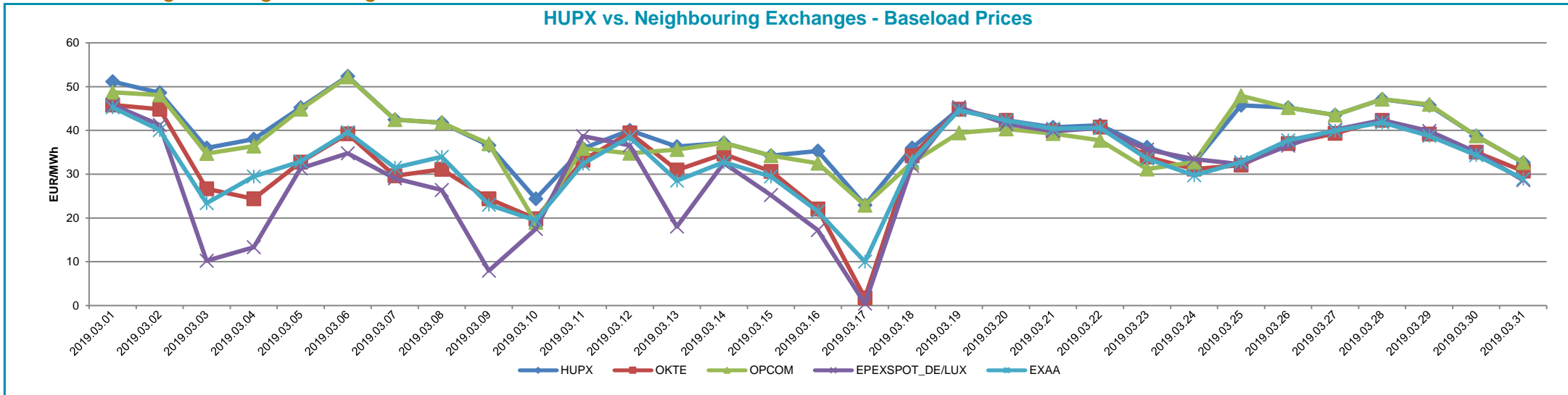
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/03/2019-31/03/2019). 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.

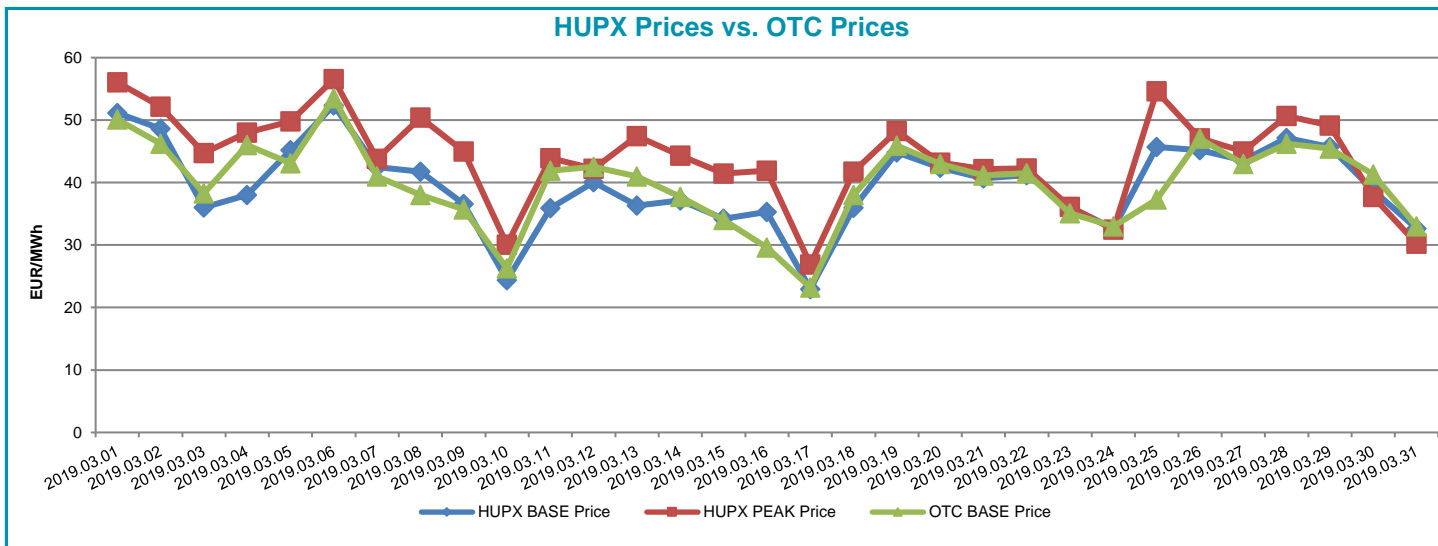
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,31
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/03/2019-31/03/2019

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	3 350,9	3 668,0	2 395,6
H2	3 393,1	3 593,8	2 371,2
H3	3 407,4	3 570,3	2 377,5
H4	3 400,9	3 541,3	2 361,1
H5	3 326,3	3 572,7	2 336,4
H6	3 255,7	3 625,6	2 384,7
H7	3 514,4	3 823,7	2 649,1
H8	3 603,4	4 031,8	2 797,5
H9	3 707,9	4 069,9	2 831,0
H10	3 820,9	4 108,5	2 903,0
H11	3 901,5	4 185,4	2 974,2
H12	3 907,9	4 214,2	3 011,2
H13	3 829,2	4 252,2	2 985,8
H14	3 771,4	4 166,0	2 917,3
H15	3 786,2	4 109,2	2 910,6
H16	3 682,5	4 084,8	2 834,1
H17	3 649,5	4 006,7	2 792,8
H18	3 504,3	3 984,6	2 661,4
H19	3 468,2	4 197,8	2 772,8
H20	3 551,4	4 214,5	2 832,8
H21	3 669,1	4 268,3	2 937,5
H22	3 665,2	4 133,2	2 880,5
H23	3 537,2	3 927,7	2 700,7
H24	3 475,4	3 686,2	2 509,8
Σ	86 180,0	95 036,6	65 062,4

Base	
MIN (offer)	3 255,7
MAX (offer)	3 907,9
MIN (bid)	3 541,3
MAX (bid)	4 268,3
Average (offer)	3 590,8
Average (bid)	3 959,9

Peak	
MIN (offer)	3 468,2
MAX (offer)	3 907,9
MIN (bid)	3 984,6
MAX (bid)	4 252,2
Average (offer)	3 715,1
Average (bid)	4 132,8

Aggregated OFFERS/BIDS 01/03/2019-31/03/2019

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

Hour	Offers	Bids	Index volumes
H1	103 877,5	113 708,7	74 262,1
H2	105 184,6	111 409,2	73 508,2
H3	102 221,3	107 108,0	71 324,5
H4	105 428,2	109 779,9	73 193,3
H5	103 116,2	110 752,7	72 428,3
H6	100 927,1	112 394,4	73 926,9
H7	108 947,3	118 534,3	82 121,0
H8	111 706,8	124 986,7	86 723,9
H9	114 943,8	126 167,9	87 760,6
H10	118 446,4	127 364,8	89 994,4
H11	120 946,3	129 747,8	92 200,3
H12	121 146,4	130 639,4	93 345,8
H13	118 706,1	131 819,4	92 560,8
H14	116 912,5	129 144,5	90 435,6
H15	117 372,6	127 386,2	90 228,7
H16	114 157,3	126 627,5	87 858,2
H17	113 135,4	124 207,2	86 575,9
H18	108 634,1	123 523,7	82 503,8
H19	107 513,2	130 132,4	85 956,5
H20	110 094,1	130 650,4	87 815,6
H21	113 743,5	132 318,6	91 061,2
H22	113 622,1	128 130,0	89 296,3
H23	109 653,0	121 759,0	83 720,3
H24	107 735,9	114 273,1	77 803,1
Σ	2 668 171,7	2 942 565,8	2 016 605,3

Base	
MIN (offer)	100 927,1
MAX (offer)	121 146,4
MIN (bid)	107 108,0
MAX (bid)	132 318,6
Average (offer)	111 173,8
Average (bid)	122 606,9

Peak	
MIN (offer)	107 513,2
MAX (offer)	121 146,4
MIN (bid)	123 523,7
MAX (bid)	131 819,4
Average (offer)	115 167,4
Average (bid)	128 117,6

HUPX DAM

Traded Volume By Portfolios

