

Monthly Report February 2018

In February the total traded volume decreased by 18,13% to 1 301 130,6 MWh compared to 1 589 260,9 MWh in January. The average daily traded volume was 46 469,0 MWh. The highest daily traded volume was 60 261,6 MWh on 27.2.2018. 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 Elektranne d.o.o.
- JAS Budapest Zrt.
- Matrai Eromu ZRt.
- MVM Partner ZRt.
- Statkraft Markets GmbH
- Uniper Global Commodities SE

Admitted members

- AXPO Trading AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedő Kft.
- Budapesti Eromu Zrt.
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- Dufenergy S.A.
- E.ON Energiakereskedelmi Kft.
- EDF Trading Limited
- EDS International SK
- Ekologicke Zdroje Energie s.r.o.
- Enel Trade S.p.A.
- Energi Danmark A/S
- ENERGIEALLIANZ Austria GmbH
- Energija Naturalis Int d.o.o.
- Energo-pro Trading JSC
- Energy Supply EOOD
- Energya VM Gestion De Energia S.L.U.
- 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
- Greenergy-Trade Kft.
- HEP d.d.
- Interenergo d.o.o.
- ISD Power Kft.
- JWM Energia Sp. Z.o.o.
- LE Trading a.s.
- MAVIR ZRt.
- MET Austria Energy Trade GmbH
- Monsson Trading S.R.L.
- NEAS Energy A/S
- NKM Aramszolgaltato Zrt
- OAM Ozdi Acelmuvek Kft.
- OMV Gas Marketing & Trading GmbH
- Petrol d.d., Ljubljana
- RIGHT POWER, a.s.
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- TINMAR ENERGY SA
- Trailstone GmbH
- Vattenfall Energy Trading GmbH
- VERBUND AG
- Vitol Gas & Power B.V.

HUPX Day-Ahead Market

Description	1/2018	2/2018	Change	
HUPX Base Average Price (EUR/MWh)*	36,28	41,65	5,37	14,80%
HUPX Peak Average Price (EUR/MWh)*	44,44	47,90	3,47	7,80%
HUPX Base Trimmed Mean Price (EUR/MWh)**	36,93	42,09	5,17	13,99%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	45,43	48,33	2,89	6,37%
OTC Base Trimmed Mean Price (EUR/MWh)**	37,68	42,55	4,87	12,94%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,82	0,58	-0,23	-28,51%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	66,41	90,02	23,61	35,55%
Lowest Traded Price (EUR/MWh)	-25,97	1,30	27,27	-105,01%

Total Turnover (EUR)	58 356 049	54 397 248	-3 958 801	-6,78%
Average Daily Turnover (EUR)	1 882 453	1 942 759	60 306	3,20%
Max. Daily Turnover (EUR)	3 041 087	3 568 822	527 735	17,35%
Min. Daily Turnover (EUR)	476 802	547 557	70 756	14,84%

Description	1/2018	2/2018	Change	
Total Volume (MWh)	1 589 260,9	1 301 130,6	-288 130,3	-18,13%
Average Daily Traded Volume (MWh)	51 266,5	46 469,0	-4 797,5	-9,36%
Highest Daily Traded Volume (MWh)	65 571,5	60 261,6	-5 309,9	-8,10%
Lowest Daily Traded Volume(MWh)	41 777,9	40 547,4	-1 230,5	-2,95%
Highest Hourly Traded Volume (MWh)	3 093,4	2 868,4	-225,0	-7,27%
Lowest Hourly Traded Volume(MWh)	1 348,4	1 243,7	-104,7	-7,76%
Average Hourly Traded Volume (MWh)	2 136,1	1 936,2	-199,9	-9,36%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	52 651,4	46 842,4	-5 809,0	-11,03%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	47 284,8	45 535,2	-1 749,6	-3,70%

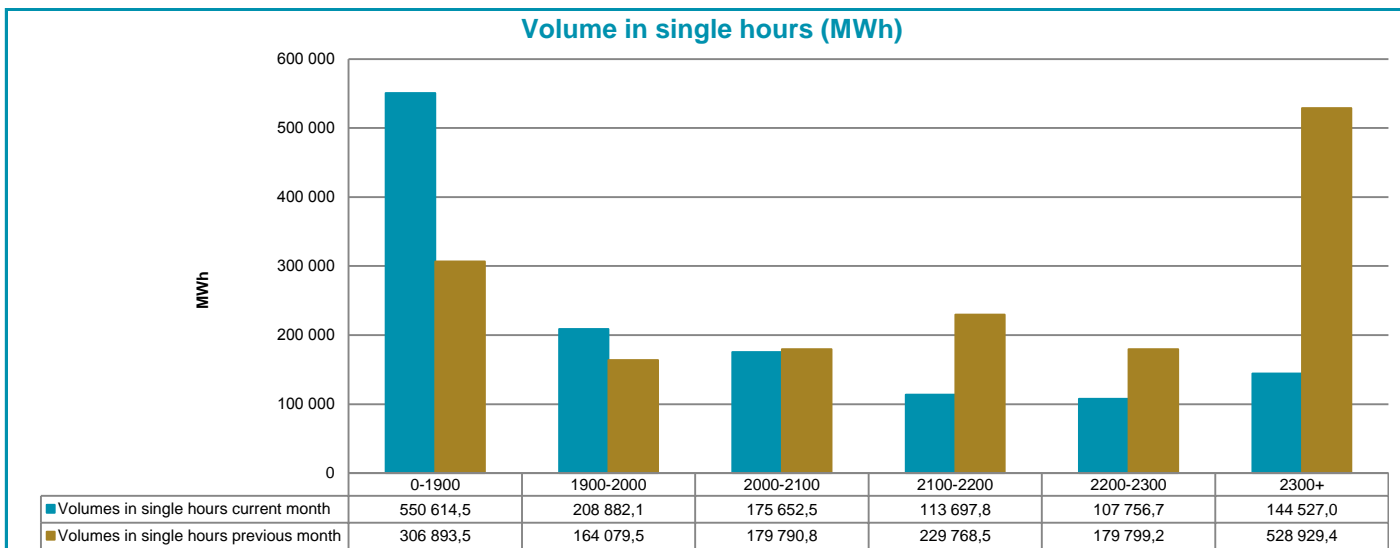
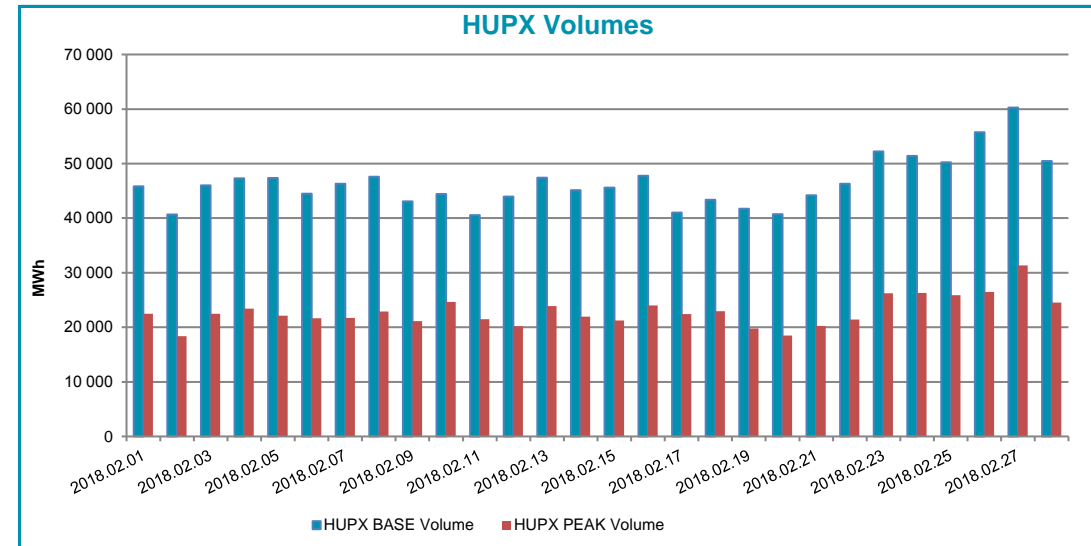
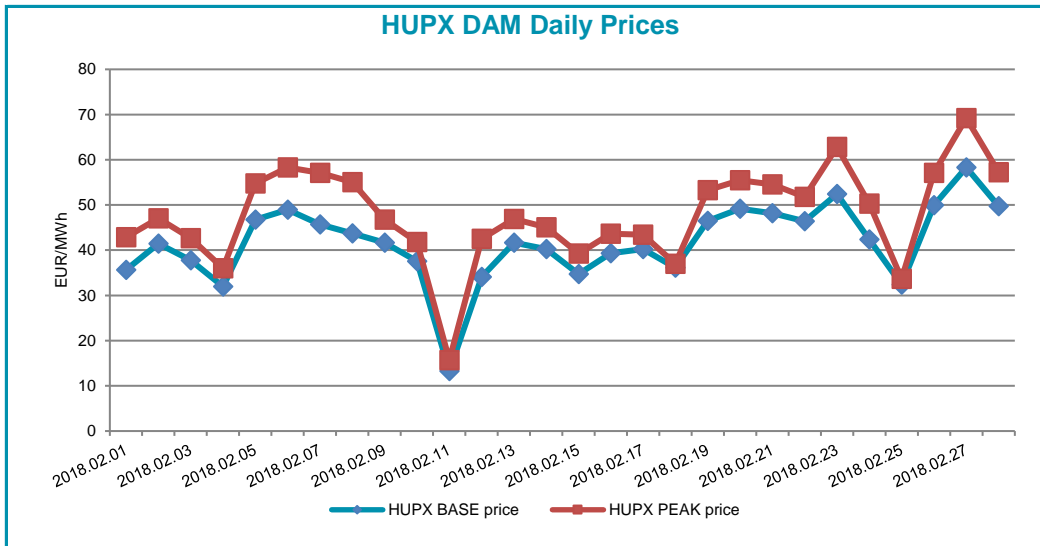
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 114,8	22 504,3	-3 610,5	-13,83%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	23 884,7	23 695,1	-189,6	-0,79%

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.

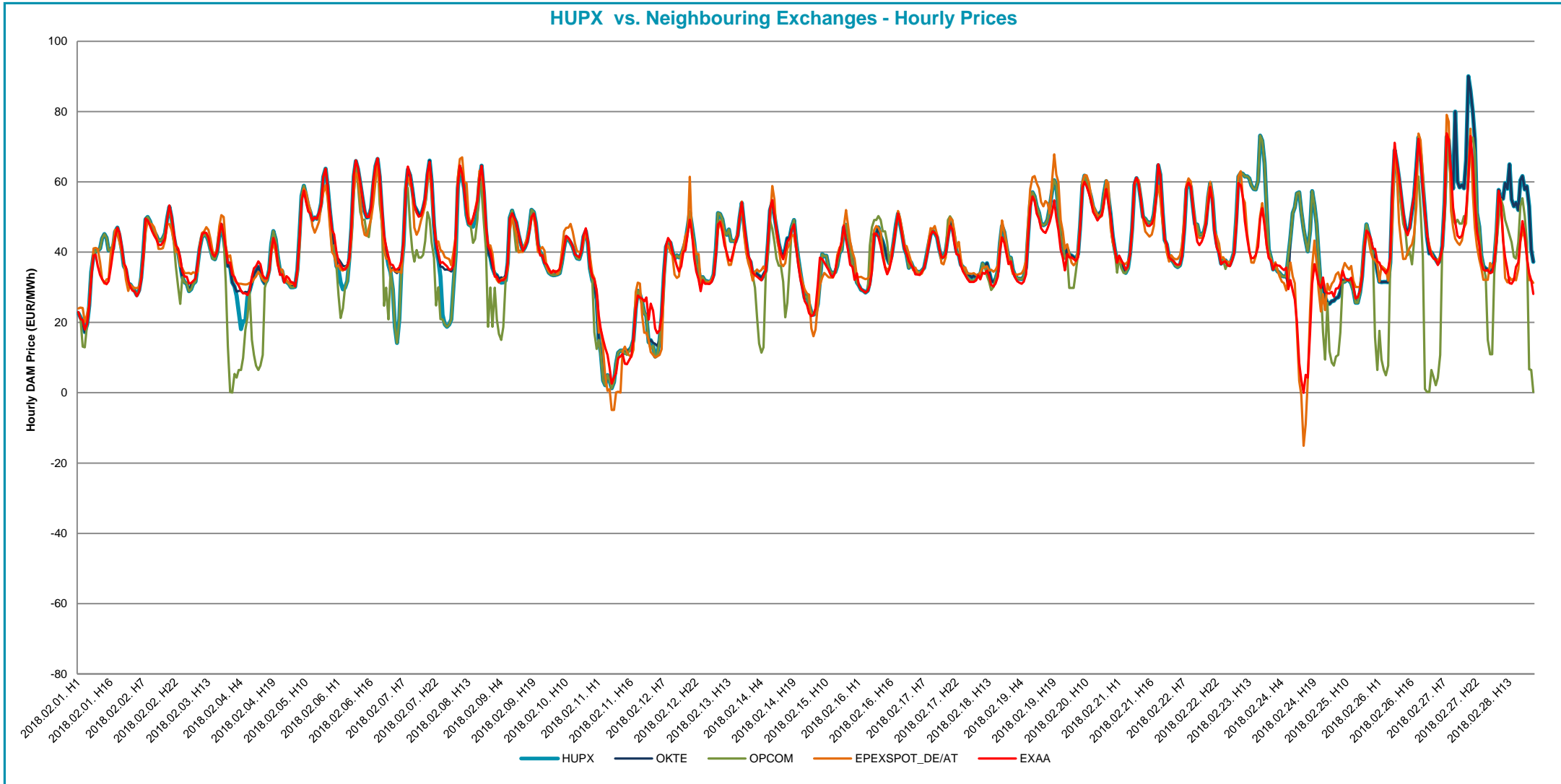
Prices and volumes



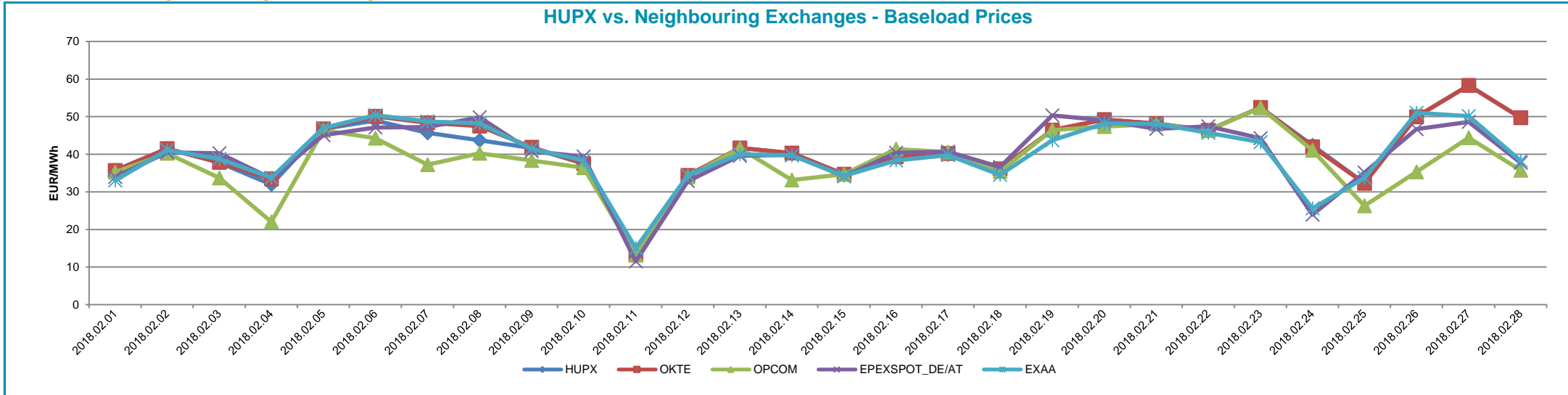
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/02/2018-28/02/2018). 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 2000-2100 MWh, 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh decreased, while the ratio increased regarding the 0-1900 MWh and 1900-2000 MWh.

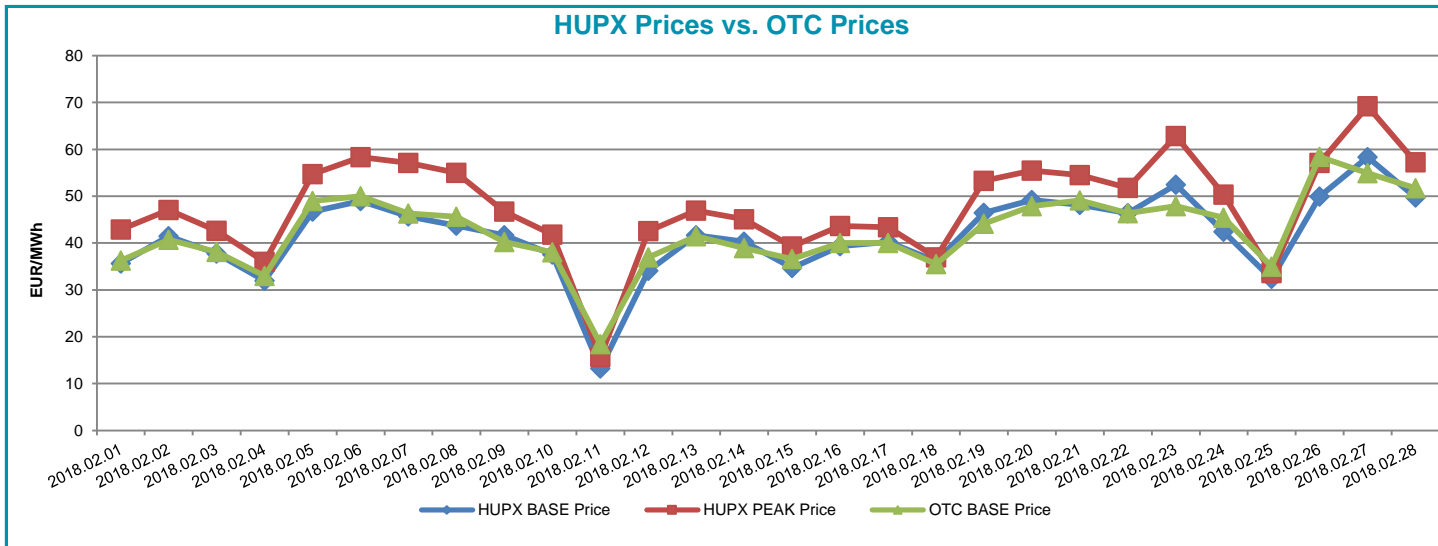
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,58
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/02/2018-28/02/2018

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	2 905,7	2 685,9	1 845,1
H2	3 028,1	2 761,0	1 965,2
H3	3 169,5	2 839,9	2 107,2
H4	3 210,1	2 849,0	2 119,6
H5	3 098,9	2 840,2	2 051,9
H6	2 849,8	2 792,2	1 887,6
H7	2 749,2	2 844,9	1 839,3
H8	2 815,6	2 983,4	1 971,7
H9	2 641,1	3 054,4	1 819,1
H10	2 643,4	3 104,4	1 875,1
H11	2 710,9	3 189,7	1 922,0
H12	2 783,4	3 271,4	2 009,3
H13	2 743,2	3 257,8	1 994,6
H14	2 711,2	3 158,1	1 945,3
H15	2 679,6	3 090,4	1 886,0
H16	2 641,9	3 071,3	1 857,1
H17	2 652,1	3 070,1	1 825,0
H18	2 643,4	3 199,9	1 883,8
H19	2 752,8	3 210,4	1 935,6
H20	2 725,6	3 144,9	1 891,7
H21	2 884,6	3 069,2	2 003,8
H22	2 876,2	2 961,1	1 941,9
H23	2 989,2	2 914,5	1 973,0
H24	3 032,7	2 783,9	1 918,1
Σ	67 938,3	72 148,0	46 469,0

Base	
MIN (offer)	2 641,1
MAX (offer)	3 210,1
MIN (bid)	2 685,9
MAX (bid)	3 271,4
Average (offer)	2 830,8
Average (bid)	3 006,2

Peak	
MIN (offer)	2 641,1
MAX (offer)	2 783,4
MIN (bid)	3 054,4
MAX (bid)	3 271,4
Average (offer)	2 694,0
Average (bid)	3 151,9

Aggregated OFFERS/BIDS 01/02/2018-28/02/2018

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

Hour	Offers	Bids	Index volumes
H1	81 360,8	75 204,1	51 663,2
H2	84 786,6	77 308,1	55 024,6
H3	88 744,6	79 518,1	59 002,8
H4	89 883,5	79 771,0	59 348,5
H5	86 770,4	79 526,5	57 453,0
H6	79 795,6	78 181,8	52 852,8
H7	76 978,8	79 658,1	51 500,3
H8	78 835,8	83 535,5	55 208,1
H9	73 950,4	85 523,9	50 934,9
H10	74 014,2	86 922,2	52 501,8
H11	75 904,1	89 311,9	53 816,6
H12	77 934,1	91 599,2	56 260,7
H13	76 810,9	91 218,1	55 848,5
H14	75 914,6	88 425,9	54 469,3
H15	75 029,4	86 530,8	52 807,0
H16	73 973,2	85 997,1	51 999,7
H17	74 257,5	85 962,8	51 099,8
H18	74 015,7	89 598,1	52 745,2
H19	77 077,5	89 892,0	54 195,9
H20	76 318,1	88 055,9	52 966,2
H21	80 769,8	85 938,6	56 105,2
H22	80 533,2	82 910,0	54 373,9
H23	83 698,4	81 607,0	55 245,3
H24	84 914,4	77 948,2	53 707,3
Σ	1 902 271,6	2 020 144,9	1 301 130,6

Base	
MIN (offer)	73 950,4
MAX (offer)	89 883,5
MIN (bid)	75 204,1
MAX (bid)	91 599,2
Average (offer)	79 261,3
Average (bid)	84 172,7

Peak	
MIN (offer)	73 950,4
MAX (offer)	77 934,1
MIN (bid)	85 523,9
MAX (bid)	91 599,2
Average (offer)	75 433,3
Average (bid)	88 253,2