

Monthly Report March 2018

In March the total traded volume increased by 13,37% to 1 475 134,7 MWh compared to 1 301 130,6 MWh in February. The average daily traded volume was 47 590,7 MWh. The highest daily traded volume was 61 995,2 MWh on 1.3.2018. 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

Admitted members

- AXPO Trading AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedő Kft.
- Budapesti Eromu Zrt.
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- DXT International SA.
- 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.
- 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	2/2018	3/2018	Change	
HUPX Base Average Price (EUR/MWh)*	41,65	40,43	-1,22	-2,94%
HUPX Peak Average Price (EUR/MWh)*	47,90	46,60	-1,30	-2,72%
HUPX Base Trimmed Mean Price (EUR/MWh)**	42,09	39,97	-2,13	-5,05%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	48,33	45,24	-3,09	-6,39%
OTC Base Trimmed Mean Price (EUR/MWh)**	42,55	40,39	-2,16	-5,08%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,54	-0,07	-0,61	-113,57%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	90,02	110,00	19,98	22,20%
Lowest Traded Price (EUR/MWh)	1,30	0,00	-1,30	-100,00%

Total Turnover (EUR)	54 397 248	60 854 481	6 457 232	11,87%
Average Daily Turnover (EUR)	1 942 759	1 964 004	21 246	1,09%
Max. Daily Turnover (EUR)	3 568 822	4 953 373	1 384 551	38,80%
Min. Daily Turnover (EUR)	547 557	554 602	7 045	1,29%

Description	2/2018	3/2018	Change	
Total Volume (MWh)	1 301 130,6	1 475 134,7	174 004,1	13,37%
Average Daily Traded Volume (MWh)	46 469,0	47 590,7	1 121,8	2,41%
Highest Daily Traded Volume (MWh)	60 261,6	61 995,2	1 733,6	2,88%
Lowest Daily Traded Volume(MWh)	40 547,4	38 996,6	-1 550,8	-3,82%
Highest Hourly Traded Volume (MWh)	2 868,4	2 992,2	123,8	4,32%
Lowest Hourly Traded Volume(MWh)	1 243,7	1 345,2	101,5	8,16%
Average Hourly Traded Volume (MWh)	1 936,2	1 985,4	49,2	2,54%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	46 842,4	48 087,5	1 245,1	2,66%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	45 535,2	46 356,6	821,4	1,80%

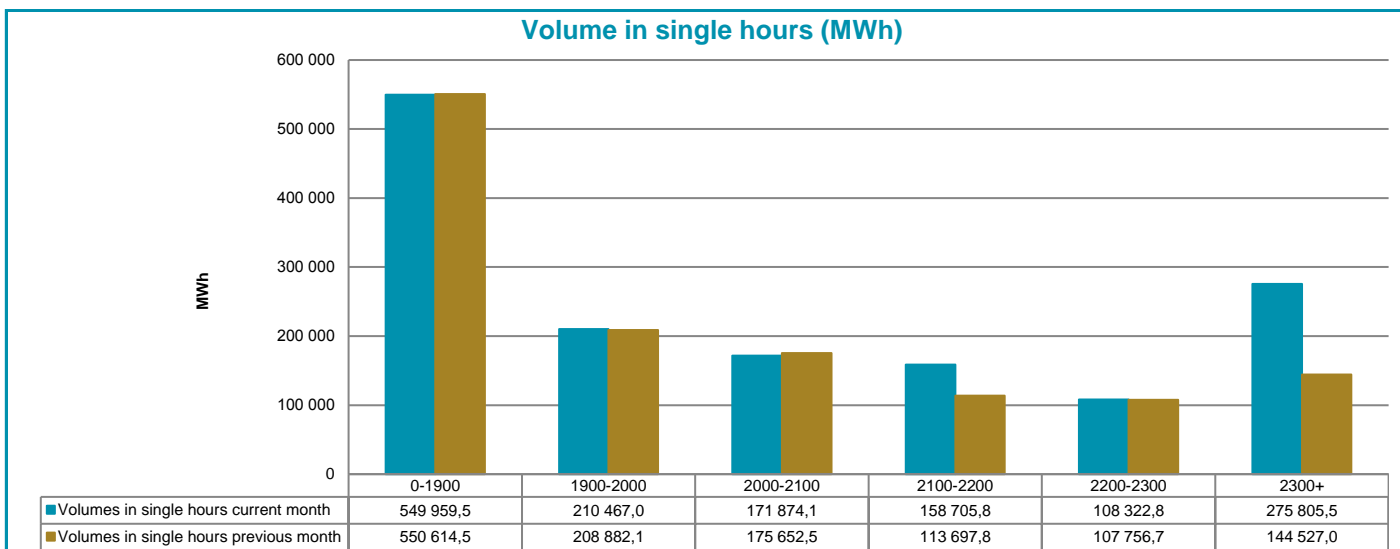
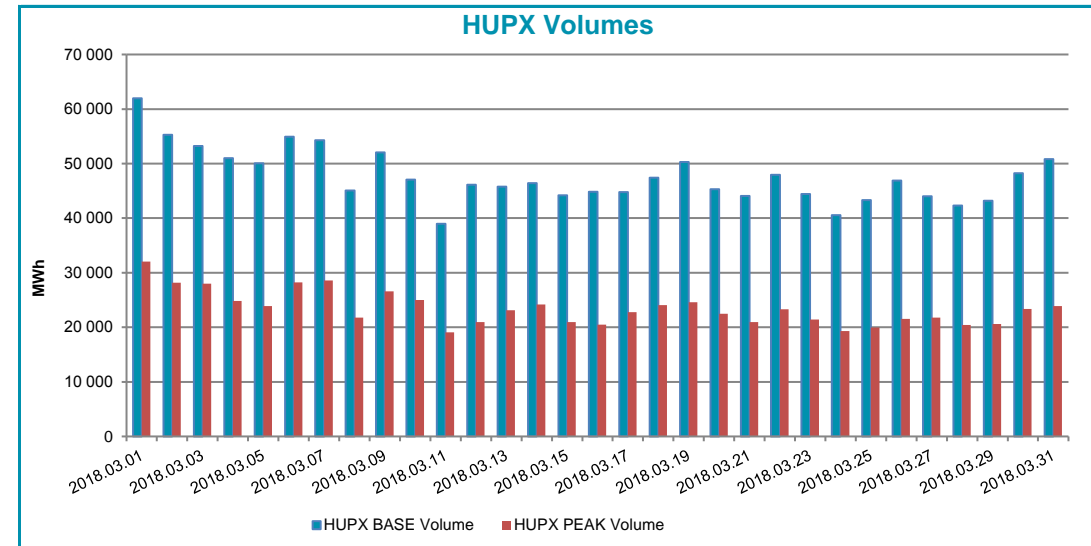
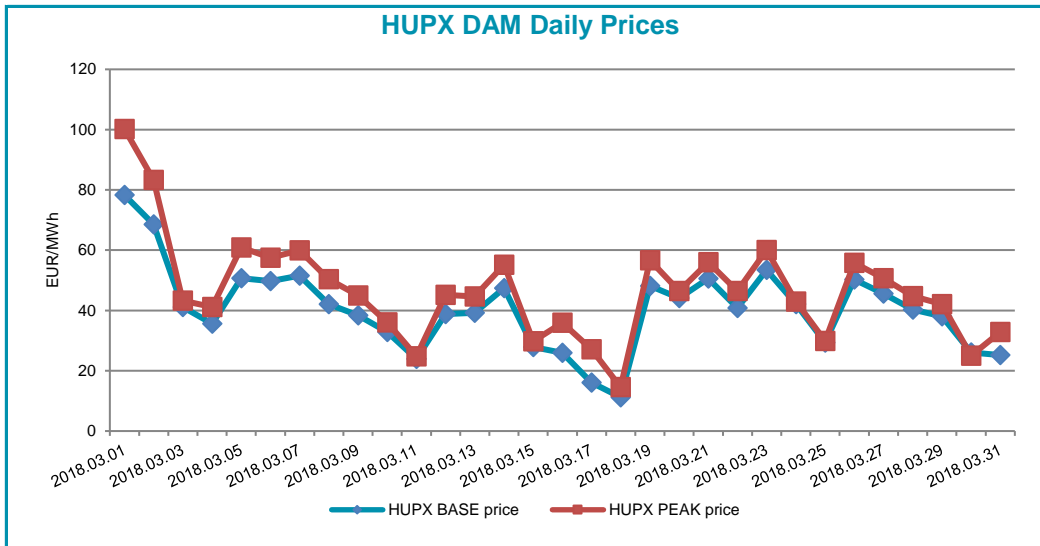
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	22 504,3	23 606,3	1 102,1	4,90%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	23 695,1	22 989,6	-705,5	-2,98%

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.

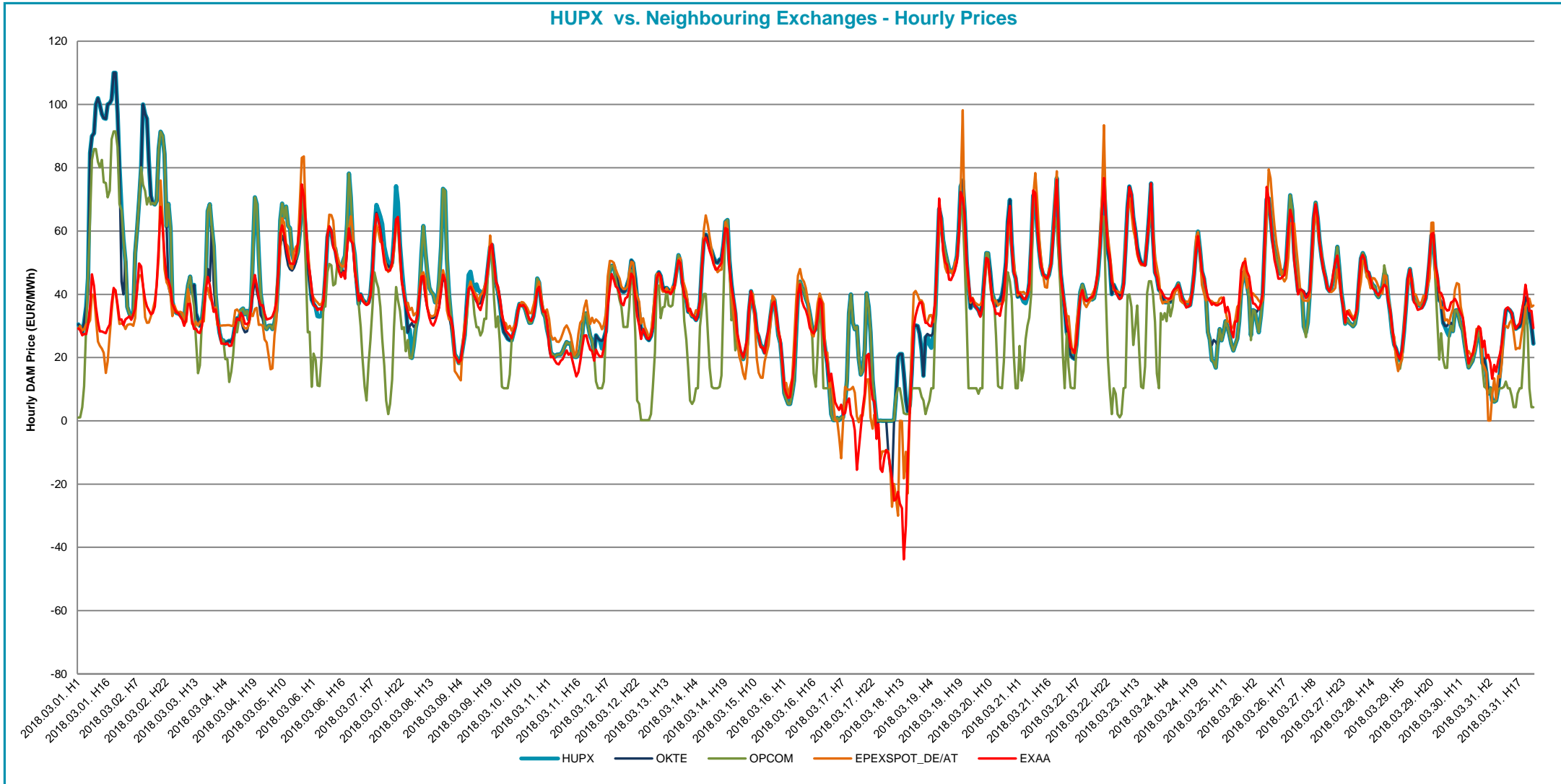
Prices and volumes



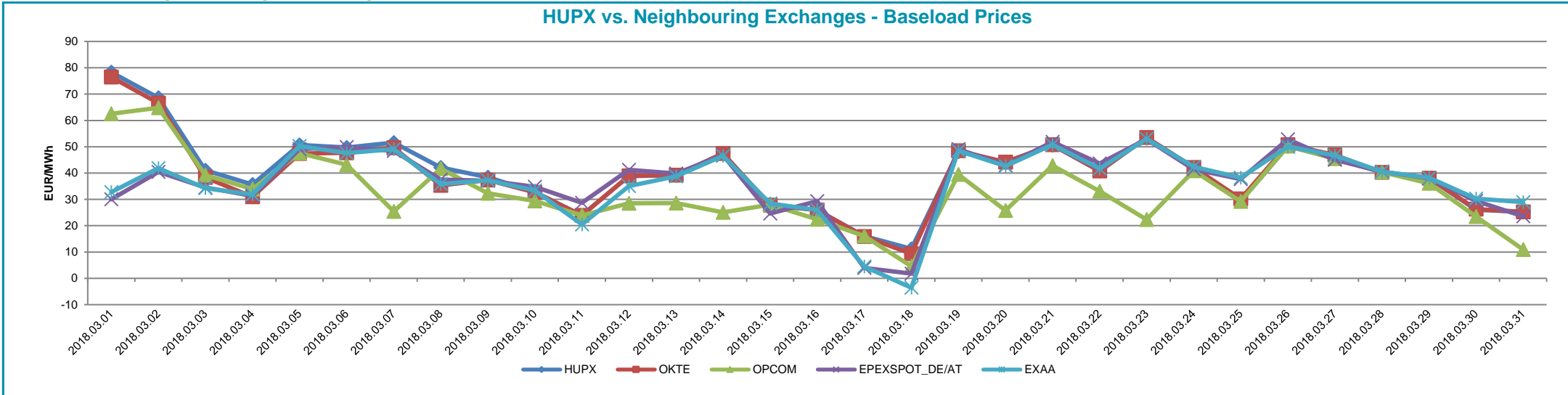
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/03/2018-31/03/2018). 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 0-1900 MWh and 2000-2100 MWh decreased, while the ratio increased regarding the 1900-2000 MWh, 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh.

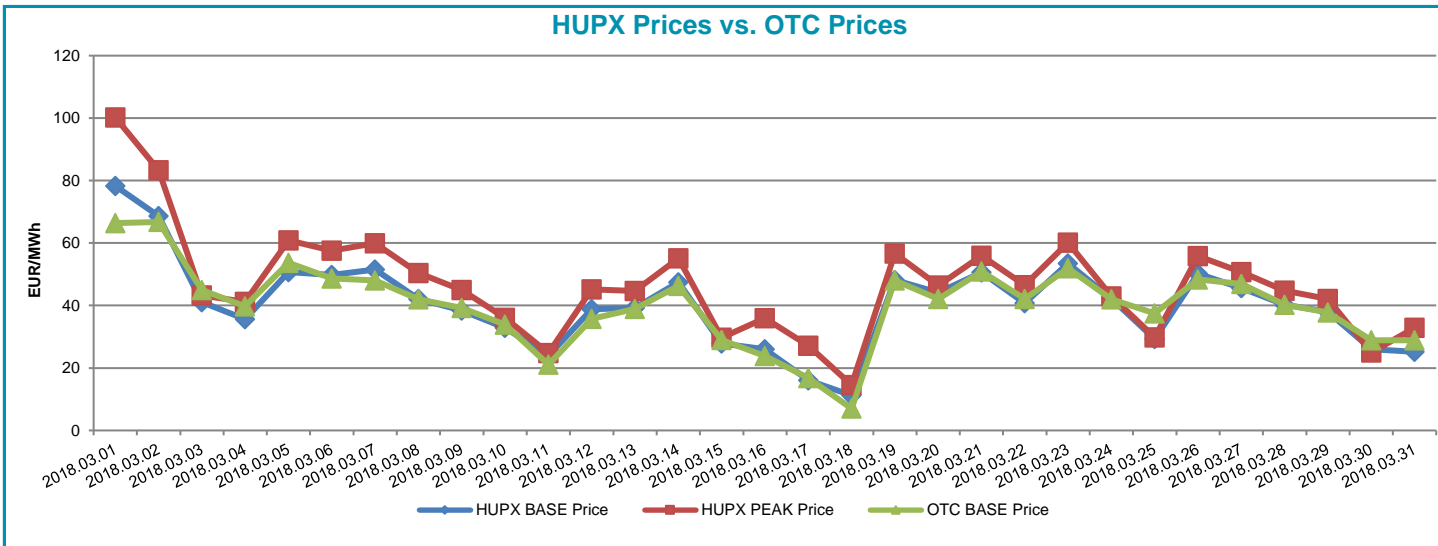
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,07
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/03/2018-31/03/2018

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	2 698,2	2 384,4	1 931,6
H2	2 815,3	2 485,4	2 058,5
H3	2 840,3	2 492,7	2 084,0
H4	2 902,8	2 492,1	2 115,4
H5	2 838,3	2 476,5	2 067,4
H6	2 695,1	2 450,4	1 976,8
H7	2 645,4	2 534,2	1 939,7
H8	2 702,6	2 648,7	1 995,3
H9	2 535,5	2 794,9	1 925,1
H10	2 525,2	2 835,7	1 942,6
H11	2 555,1	2 873,8	1 981,2
H12	2 565,4	2 890,1	1 998,7
H13	2 529,2	2 858,4	1 963,3
H14	2 471,8	2 788,8	1 897,7
H15	2 466,0	2 768,3	1 900,0
H16	2 485,0	2 759,4	1 911,1
H17	2 451,6	2 729,9	1 854,2
H18	2 517,4	2 768,2	1 905,3
H19	2 602,2	2 981,1	2 051,9
H20	2 654,9	3 004,9	2 095,9
H21	2 759,2	2 839,8	2 138,2
H22	2 689,3	2 721,1	2 029,7
H23	2 687,8	2 556,4	1 936,3
H24	2 828,4	2 471,4	1 951,8
Σ	63 462,0	64 606,8	47 590,7

Base	
MIN (offer)	2 451,6
MAX (offer)	2 902,8
MIN (bid)	2 384,4
MAX (bid)	3 004,9
Average (offer)	2 644,2
Average (bid)	2 692,0

Peak	
MIN (offer)	2 451,6
MAX (offer)	2 654,9
MIN (bid)	2 729,9
MAX (bid)	3 004,9
Average (offer)	2 529,9
Average (bid)	2 837,8

Aggregated OFFERS/BIDS 01/03/2018-31/03/2018

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

Hour	Offers	Bids	Index volumes
H1	83 644,7	73 917,0	59 881,0
H2	87 275,7	77 046,4	63 815,0
H3	85 208,3	74 782,2	62 521,4
H4	89 985,3	77 256,5	65 577,1
H5	87 986,3	76 770,9	64 090,3
H6	83 547,2	75 962,6	61 281,6
H7	82 006,2	78 561,5	60 129,6
H8	83 781,3	82 111,0	61 855,7
H9	78 599,8	86 643,4	59 679,4
H10	78 282,7	87 905,4	60 220,5
H11	79 208,5	89 088,1	61 418,7
H12	79 526,0	89 591,7	61 961,1
H13	78 405,8	88 610,4	60 863,8
H14	76 627,2	86 452,1	58 829,8
H15	76 445,1	85 817,3	58 900,4
H16	77 034,5	85 542,1	59 242,8
H17	76 000,7	84 628,2	57 481,2
H18	78 039,1	85 813,7	59 065,6
H19	80 668,1	92 414,3	63 608,8
H20	82 301,7	93 153,4	64 973,9
H21	85 536,3	88 032,5	66 285,4
H22	83 367,4	84 354,9	62 920,0
H23	83 323,0	79 248,1	60 024,9
H24	87 680,5	76 614,4	60 506,7
Σ	1 964 481,4	2 000 318,1	1 475 134,7

Base	
MIN (offer)	76 000,7
MAX (offer)	89 985,3
MIN (bid)	73 917,0
MAX (bid)	93 153,4
Average (offer)	81 853,4
Average (bid)	83 346,6

Peak	
MIN (offer)	76 000,7
MAX (offer)	82 301,7
MIN (bid)	84 628,2
MAX (bid)	93 153,4
Average (offer)	78 428,3
Average (bid)	87 971,7