

Monthly Report April 2018

In April the total traded volume increased by 11,25% to 1 641 063,3 MWh compared to 1 475 134,7 MWh in March. The average daily traded volume was 54 702,1 MWh. The highest daily traded volume was 64 330,0 MWh on 3.4.2018. 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	3/2018	4/2018	Change	
HUPX Base Average Price (EUR/MWh)*	40,43	31,92	-8,50	-21,03%
HUPX Peak Average Price (EUR/MWh)*	46,60	33,04	-13,55	-29,08%
HUPX Base Trimmed Mean Price (EUR/MWh)**	39,97	32,05	-7,92	-19,82%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	45,24	33,22	-12,02	-26,58%
OTC Base Trimmed Mean Price (EUR/MWh)**	40,39	32,78	-7,61	-18,85%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	-0,22	0,70	0,91	-420,15%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	110,00	61,41	-48,59	-44,17%
Lowest Traded Price (EUR/MWh)	0,00	0,01	0,01	

Total Turnover (EUR)	60 854 481	52 787 671	-8 066 809	-13,26%
Average Daily Turnover (EUR)	1 964 004	1 759 589	-204 415	-10,41%
Max. Daily Turnover (EUR)	4 953 373	2 706 245	-2 247 129	-45,37%
Min. Daily Turnover (EUR)	554 602	873 548	318 946	57,51%

Description	3/2018	4/2018	Change	
Total Volume (MWh)	1 475 134,7	1 641 063,3	165 928,6	11,25%
Average Daily Traded Volume (MWh)	47 590,7	54 702,1	7 111,4	14,94%
Highest Daily Traded Volume (MWh)	61 995,2	64 330,0	2 334,8	3,77%
Lowest Daily Traded Volume(MWh)	38 996,6	46 768,7	7 772,1	19,93%
Highest Hourly Traded Volume (MWh)	2 992,2	3 219,6	227,4	7,60%
Lowest Hourly Traded Volume(MWh)	1 345,2	1 597,9	252,7	18,79%
Average Hourly Traded Volume (MWh)	1 985,4	2 279,3	293,9	14,80%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	48 087,5	55 703,1	7 615,6	15,84%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	46 356,6	52 366,5	6 009,9	12,96%

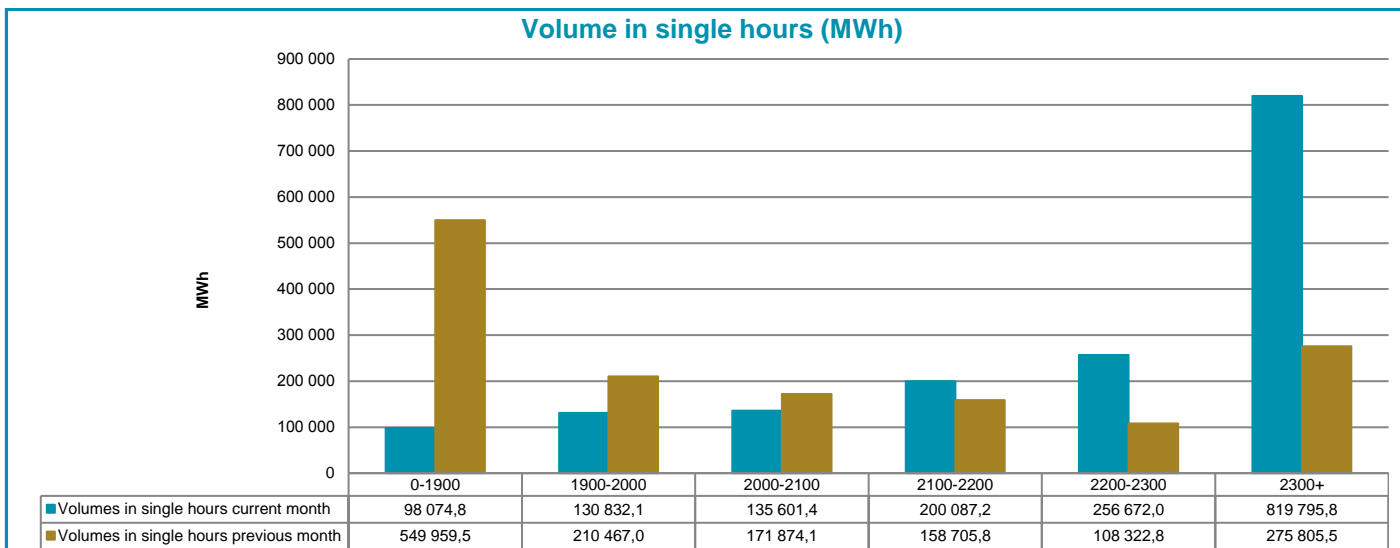
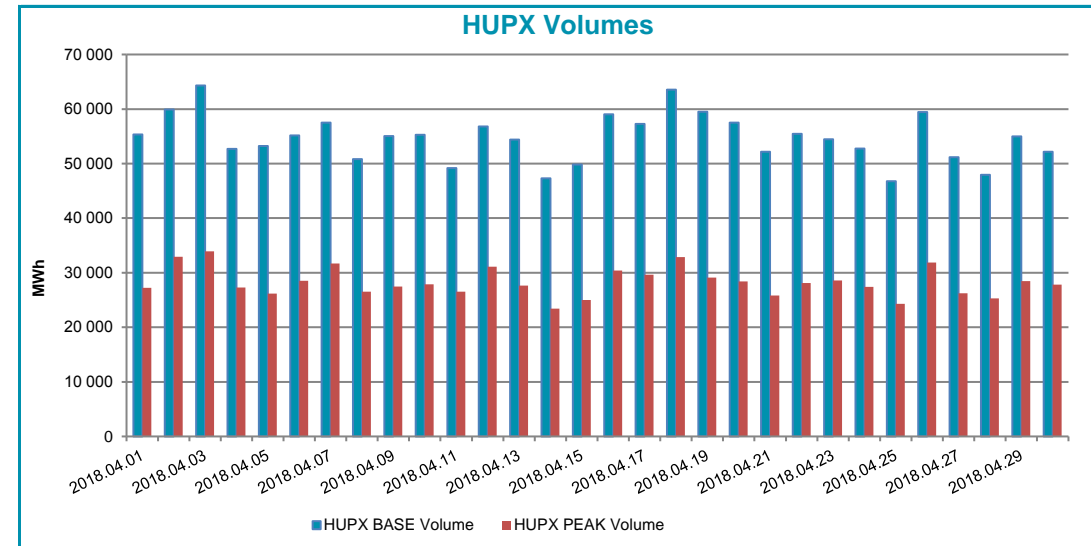
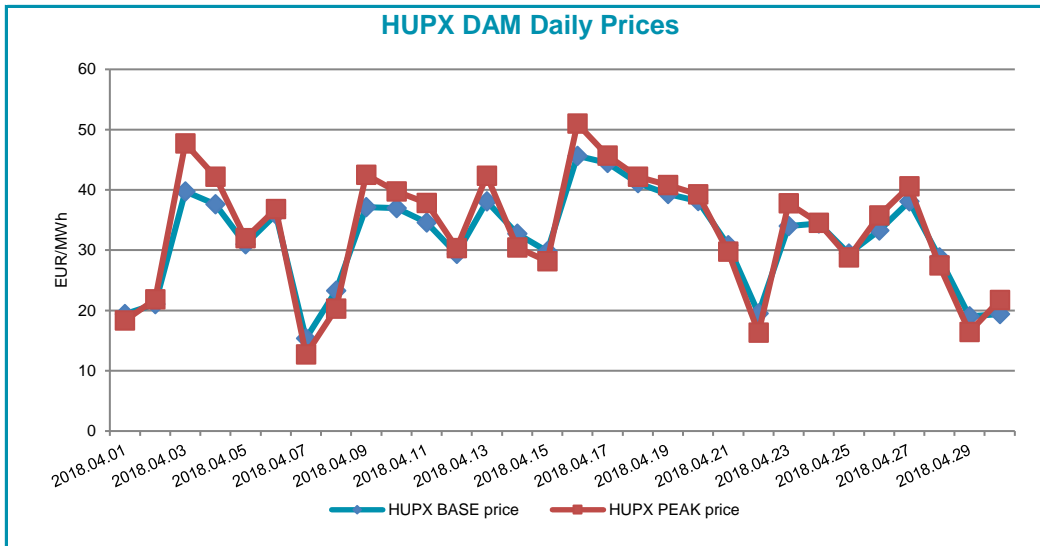
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	23 606,3	28 868,4	5 262,1	22,29%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	22 989,6	26 848,5	3 858,9	16,79%

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.

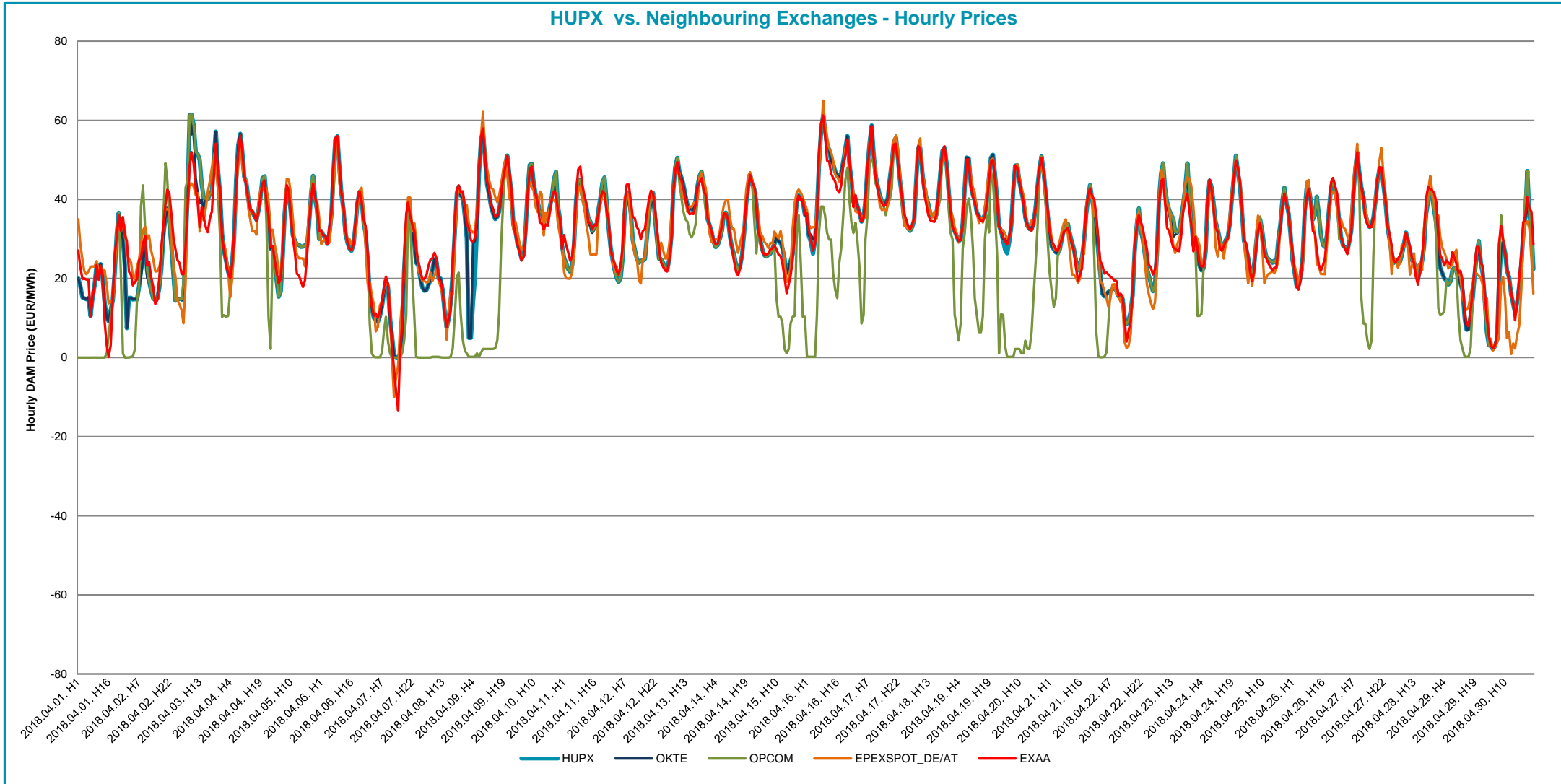
Prices and volumes



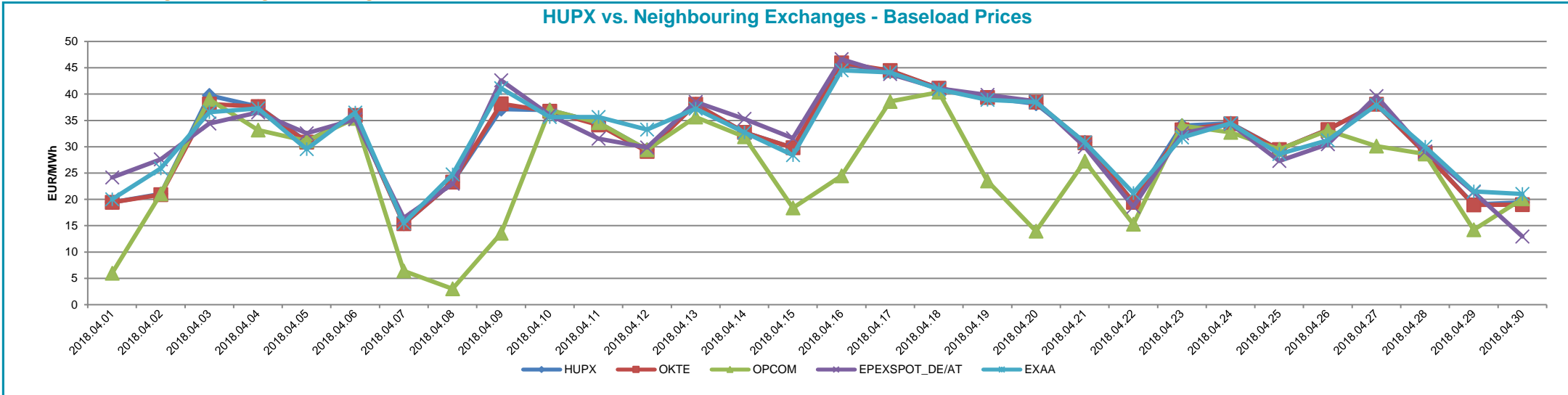
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/04/2018-30/04/2018). 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, 1900-2000 MWh and 2000-2100 MWh decreased, while the ratio increased regarding the 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh.

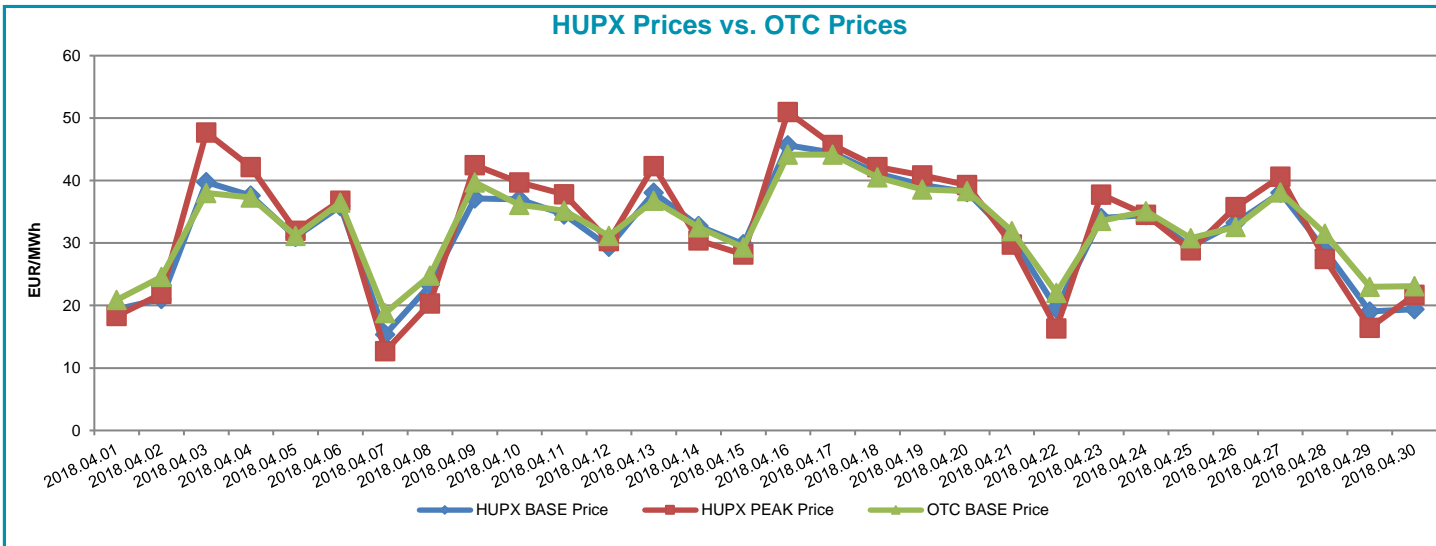
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,70
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/04/2018-30/04/2018

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	2 932,5	2 702,9	2 118,0
H2	3 063,4	2 747,5	2 204,0
H3	3 092,4	2 776,1	2 228,1
H4	3 120,0	2 809,2	2 267,7
H5	3 027,1	2 748,2	2 195,7
H6	2 879,6	2 718,4	2 098,8
H7	2 794,6	2 897,6	2 119,3
H8	2 833,5	3 078,0	2 214,2
H9	2 867,0	3 315,9	2 313,9
H10	2 899,3	3 402,5	2 367,9
H11	2 931,9	3 432,8	2 416,6
H12	2 997,2	3 485,3	2 489,5
H13	2 963,9	3 455,8	2 462,8
H14	2 891,6	3 407,2	2 420,7
H15	2 890,9	3 372,2	2 399,8
H16	2 841,4	3 340,1	2 360,5
H17	2 806,7	3 287,2	2 301,4
H18	2 838,9	3 171,6	2 228,1
H19	2 858,3	3 124,7	2 197,0
H20	2 931,5	3 308,5	2 304,3
H21	3 039,7	3 506,3	2 486,8
H22	2 973,8	3 160,8	2 277,2
H23	2 942,0	2 905,5	2 136,8
H24	3 041,2	2 842,6	2 093,1
Σ	70 458,1	74 996,6	54 702,1

Base	
MIN (offer)	2 794,6
MAX (offer)	3 120,0
MIN (bid)	2 702,9
MAX (bid)	3 506,3
Average (offer)	2 935,8
Average (bid)	3 124,9

Peak	
MIN (offer)	2 806,7
MAX (offer)	2 997,2
MIN (bid)	3 124,7
MAX (bid)	3 485,3
Average (offer)	2 893,2
Average (bid)	3 342,0

Aggregated OFFERS/BIDS 01/04/2018-30/04/2018

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

Hour	Offers	Bids	Index volumes
H1	87 975,1	81 086,3	63 540,3
H2	91 900,6	82 426,0	66 118,7
H3	92 770,6	83 282,6	66 844,4
H4	93 600,9	84 274,6	68 030,4
H5	90 812,5	82 445,9	65 869,6
H6	86 387,1	81 552,2	62 962,9
H7	83 837,5	86 929,4	63 579,1
H8	85 005,0	92 340,2	66 426,7
H9	86 009,9	99 475,5	69 416,5
H10	86 977,7	102 074,2	71 038,4
H11	87 957,9	102 983,5	72 498,1
H12	89 914,7	104 558,5	74 684,9
H13	88 918,0	103 674,6	73 883,7
H14	86 747,1	102 217,0	72 619,5
H15	86 725,5	101 164,7	71 995,4
H16	85 241,0	100 202,2	70 813,9
H17	84 200,7	98 616,5	69 042,3
H18	85 168,1	95 147,8	66 841,6
H19	85 748,3	93 739,5	65 910,1
H20	87 945,9	99 253,9	69 129,5
H21	91 191,4	105 187,5	74 603,0
H22	89 214,5	94 823,1	68 317,1
H23	88 259,5	87 165,8	64 103,1
H24	91 234,5	85 277,8	62 794,1
Σ	2 113 744,0	2 249 899,3	1 641 063,3

Base	
MIN (offer)	83 837,5
MAX (offer)	93 600,9
MIN (bid)	81 086,3
MAX (bid)	105 187,5
Average (offer)	88 072,7
Average (bid)	93 745,8

Peak	
MIN (offer)	84 200,7
MAX (offer)	89 914,7
MIN (bid)	93 739,5
MAX (bid)	104 558,5
Average (offer)	86 796,2
Average (bid)	100 259,0