

Monthly Report October 2017

In October the total traded volume increased by 16,29% to 1 518 140,3 MWh compared to 1 305 464,9 MWh in September. The average daily traded volume was 48 979,9 MWh. The highest daily traded volume was 61 477,9 MWh on 30.10.2017. delivery day. The number of admitted members was 59 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 elektricne energije, d.o.o.
- Holding Slovenske Elektrarne 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
- DEMASZ Zrt.
- Dufenergy S.A.
- E.ON Energiakereskedelmi Kft.
- EDF Trading Limited
- Edison Trading S.p.A.
- EDS International SK
- 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
- Energy 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
- 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.
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.

HUPX Day-Ahead Market

Description	9/2017	10/2017	Change	
HUPX Base Average Price (EUR/MWh)*	42,88	49,72	6,84	15,95%
HUPX Peak Average Price (EUR/MWh)*	48,73	59,75	11,02	22,62%
HUPX Base Trimmed Mean Price (EUR/MWh)**	42,75	49,48	6,72	15,73%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	48,71	59,55	10,84	22,26%
OTC Base Trimmed Mean Price (EUR/MWh)**	43,42	51,73	8,31	19,13%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,43	1,93	1,50	351,59%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	95,00	124,13	29,13	30,66%
Lowest Traded Price (EUR/MWh)	4,93	0,04	-4,89	-99,19%

Total Turnover (EUR)	55 351 100	73 159 906	17 808 807	32,17%
Average Daily Turnover (EUR)	1 845 037	2 359 365	514 328	27,88%
Max. Daily Turnover (EUR)	2 323 300	3 220 910	897 610	38,64%
Min. Daily Turnover (EUR)	1 396 490	1 481 217	84 727	6,07%

Description	9/2017	10/2017	Change	
Total Volume (MWh)	1 305 464,9	1 518 140,3	212 675,4	16,29%
Average Daily Traded Volume (MWh)	43 515,5	48 979,9	5 464,4	12,56%
Highest Daily Traded Volume (MWh)	51 565,5	61 477,9	9 912,4	19,22%
Lowest Daily Traded Volume(MWh)	37 720,0	36 221,9	-1 498,1	-3,97%
Highest Hourly Traded Volume (MWh)	2 509,6	3 097,6	588,0	23,43%
Lowest Hourly Traded Volume(MWh)	1 220,3	1 222,5	2,2	0,18%
Average Hourly Traded Volume (MWh)	1 813,1	2 037,8	224,6	12,39%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	44 089,1	48 544,1	4 454,9	10,10%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	42 177,0	50 019,0	7 841,9	18,59%

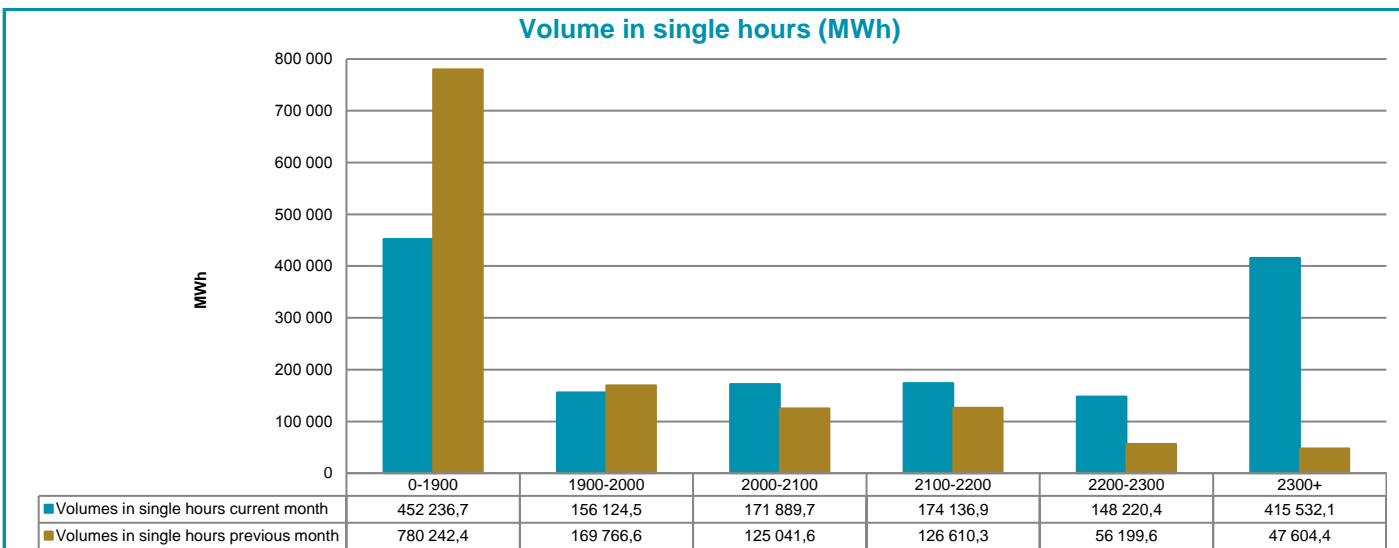
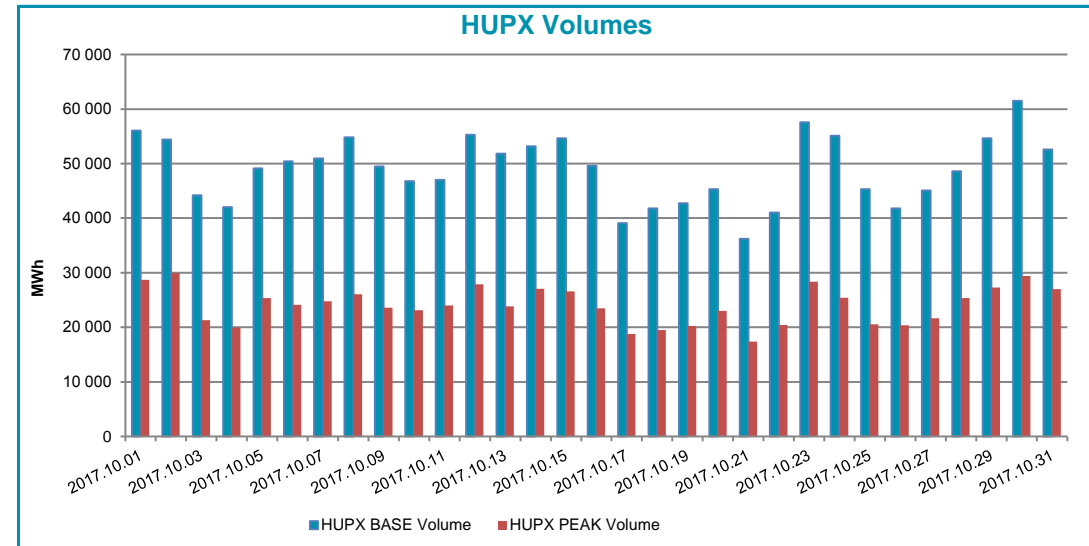
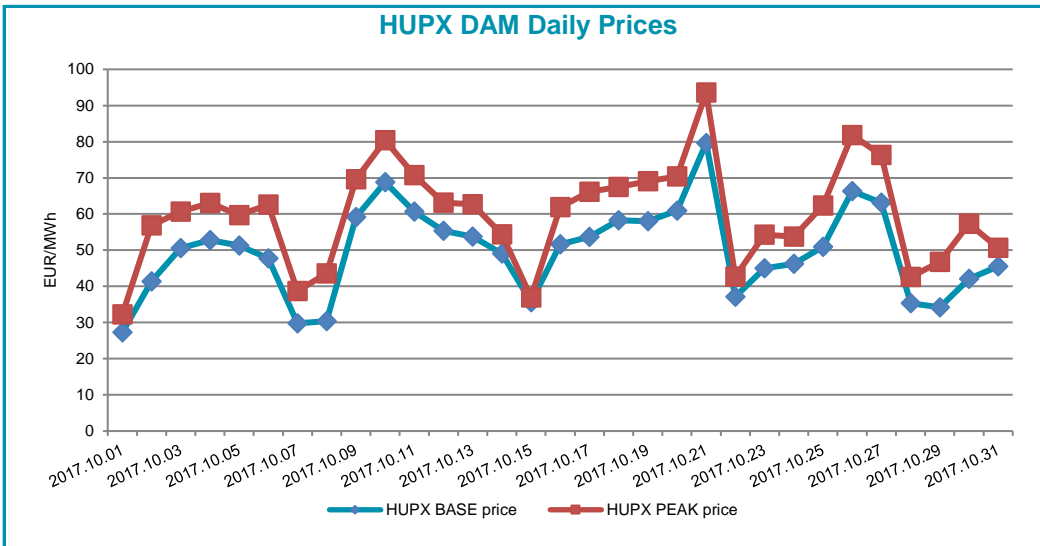
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	21 379,0	23 676,6	2 297,5	10,75%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	20 150,1	24 848,9	4 698,8	23,32%

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.

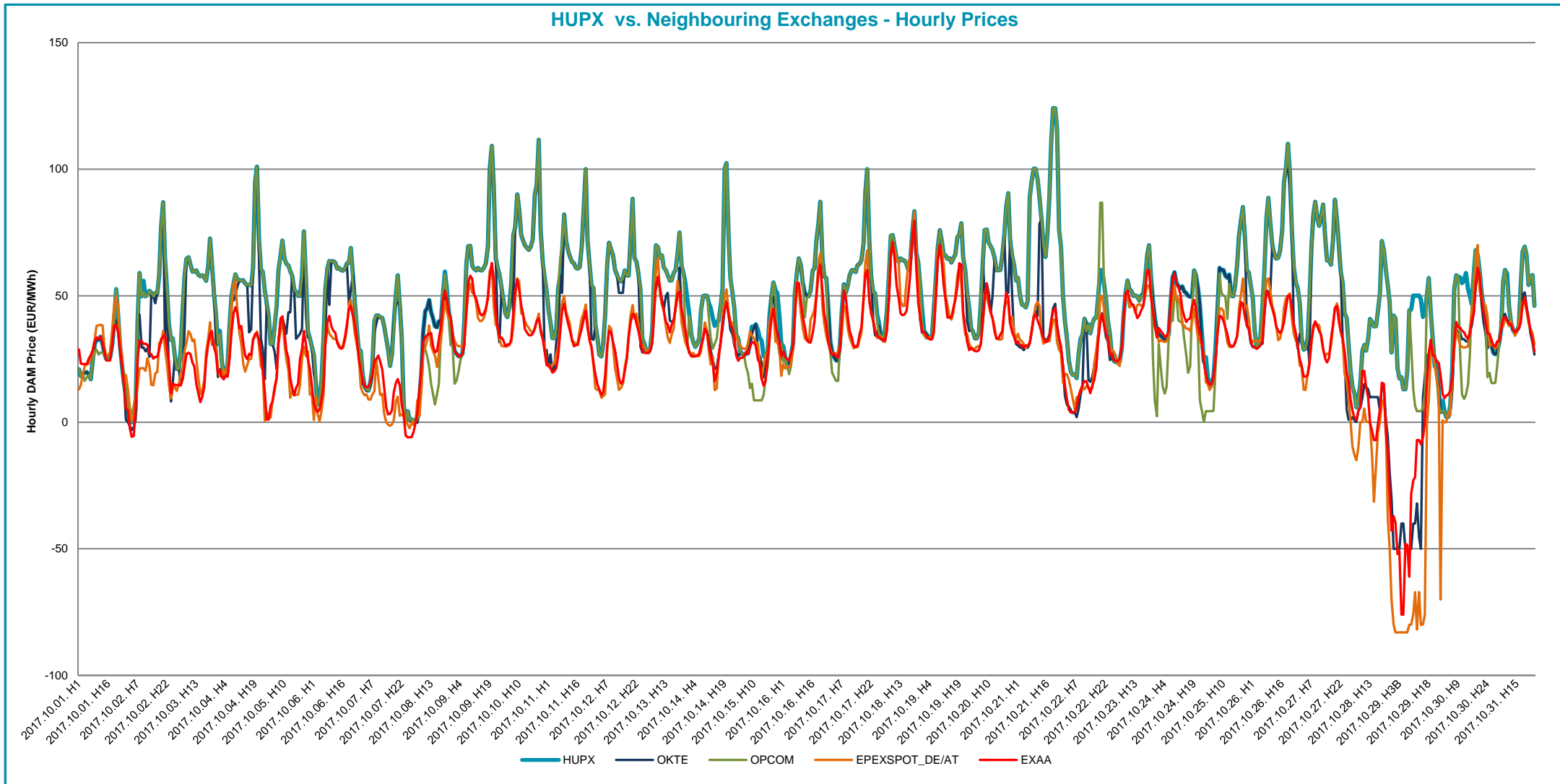
Prices and volumes



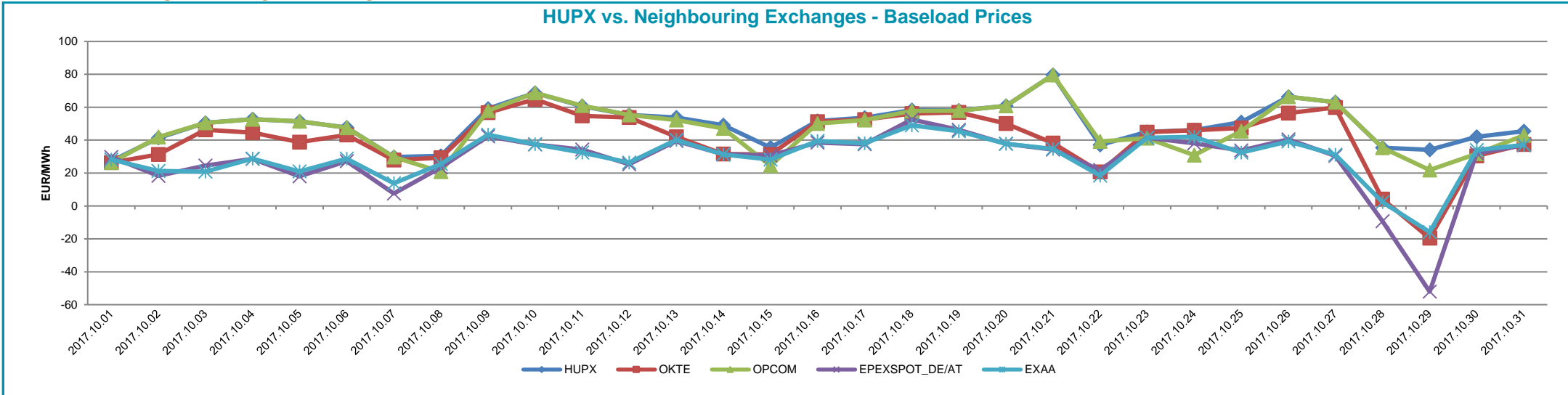
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/10/2017-31/10/2017). 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 1900-2000 MWh decreased, while the ratio increased regarding the 2000-2100 MWh, 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh.

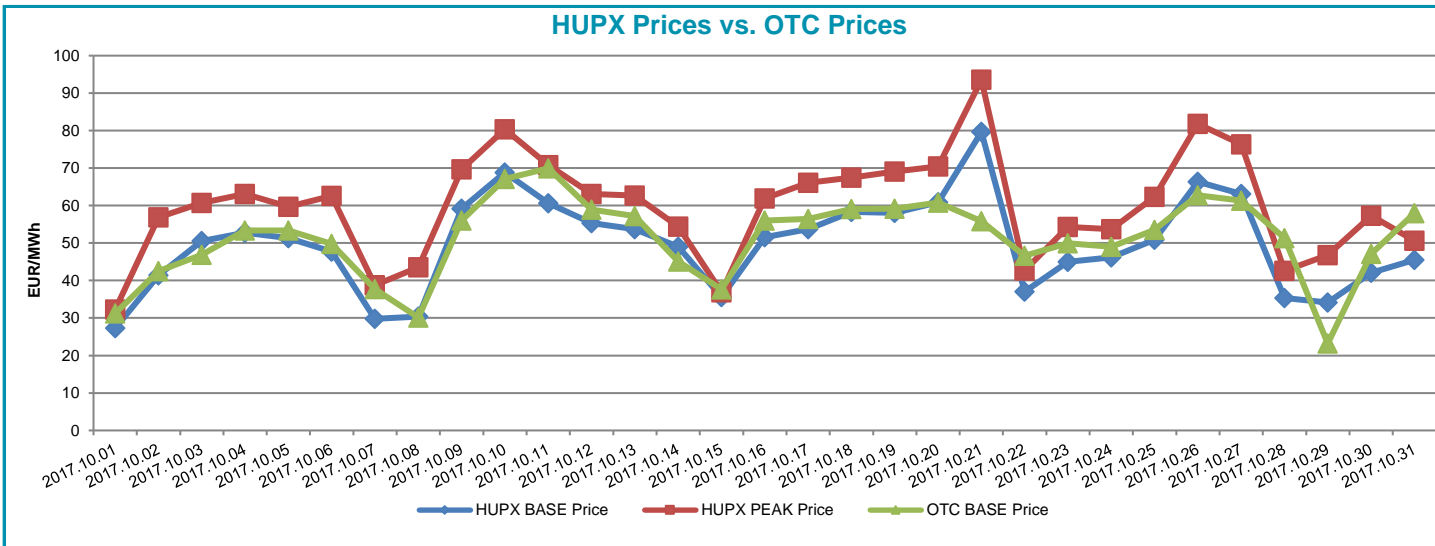
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	1,93
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/10/2017-31/10/2017

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	2 859,1	3 180,2	2 188,5
H2	2 967,6	3 111,7	2 255,2
H3	2 967,7	2 952,6	2 198,0
H4	2 986,3	2 935,8	2 180,7
H5	2 925,0	2 954,1	2 145,9
H6	2 746,3	3 055,4	2 024,0
H7	2 576,0	3 257,7	1 970,0
H8	2 536,2	3 338,7	1 910,2
H9	2 478,9	3 542,0	1 966,8
H10	2 498,2	3 606,9	2 027,5
H11	2 530,1	3 638,6	2 079,1
H12	2 544,1	3 688,2	2 104,1
H13	2 496,7	3 647,9	2 048,3
H14	2 504,2	3 594,7	2 031,8
H15	2 483,7	3 522,2	1 997,9
H16	2 439,7	3 498,5	1 949,3
H17	2 432,3	3 481,3	1 938,5
H18	2 342,5	3 573,7	1 936,4
H19	2 304,8	3 618,5	1 953,3
H20	2 352,6	3 633,3	1 983,9
H21	2 399,4	3 426,9	1 960,2
H22	2 437,6	3 471,1	1 955,3
H23	2 543,8	3 391,9	2 025,5
H24	2 738,8	3 290,0	2 070,9
Σ	62 091,6	81 411,9	48 979,9

Base	
MIN (offer)	2 304,8
MAX (offer)	2 986,3
MIN (bid)	2 935,8
MAX (bid)	3 688,2
Average (offer)	2 587,2
Average (bid)	3 392,2

Peak	
MIN (offer)	2 304,8
MAX (offer)	2 544,1
MIN (bid)	3 481,3
MAX (bid)	3 688,2
Average (offer)	2 450,7
Average (bid)	3 587,1

Aggregated OFFERS/BIDS 01/10/2017-31/10/2017

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

Hour	Offers	Bids	Index volumes
H1	88 632,7	98 587,7	67 844,0
H2	91 995,3	96 462,2	69 912,5
H3	94 966,9	94 481,9	70 335,0
H4	92 575,1	91 010,9	67 601,6
H5	90 674,6	91 577,1	66 521,6
H6	85 133,8	94 718,4	62 743,5
H7	79 856,9	100 989,1	61 071,3
H8	78 622,5	103 499,5	59 217,7
H9	76 845,9	109 802,5	60 972,1
H10	77 444,8	111 814,9	62 852,2
H11	78 434,2	112 795,2	64 452,7
H12	78 867,0	114 334,3	65 227,1
H13	77 398,7	113 085,3	63 498,0
H14	77 630,1	111 434,2	62 987,1
H15	76 993,8	109 188,1	61 934,8
H16	75 632,1	108 453,9	60 427,8
H17	75 400,3	107 921,0	60 092,5
H18	72 617,6	110 784,1	60 029,0
H19	71 447,4	112 172,9	60 551,4
H20	72 930,4	112 630,8	61 500,0
H21	74 380,0	106 233,3	60 764,8
H22	75 565,7	107 604,5	60 614,2
H23	78 857,8	105 150,3	62 790,0
H24	84 903,9	101 990,8	64 199,4
Σ	1 927 807,5	2 526 722,9	1 518 140,3

Base	
MIN (offer)	71 447,4
MAX (offer)	94 966,9
MIN (bid)	91 010,9
MAX (bid)	114 334,3
Average (offer)	80 325,3
Average (bid)	105 280,1

Peak	
MIN (offer)	71 447,4
MAX (offer)	78 867,0
MIN (bid)	107 921,0
MAX (bid)	114 334,3
Average (offer)	75 970,2
Average (bid)	111 201,4