

Monthly Report October 2018

HUPX DAM market reached record traded volume in October. In October the total traded volume increased by 20,11% to 1 980 430,4 MWh compared to 1 648 877,5 MWh in September. The average daily traded volume was 63 891,0 MWh. The highest daily traded volume was 75 013,0 MWh on 25.10.2018. delivery day. This is a record daily traded volume since the launch of HUPX DAM market. The number of admitted members was 58 in the examined month.

List of the Members

Founder members

- ALPIQ ENERGY SE
- AXPO Solutions AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedo Kft.
- Budapesti Eromu Zrt.
- CEZ, a.s.
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- Danske Commodities A/S
- E.ON Energiakereskedelmi Kft.
- EDF Trading Limited
- EDS International SK

New members

- EP Commodities, a.s.

Admitted members

- AXPO Solutions AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedo Kft.
- Budapesti Eromu Zrt.
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- 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.
- Ergo-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.
- Slovenske elektrarne, a.s.
- TINMAR ENERGY SA
- Trailstone GmbH
- TRANSENERGO COM S.A.
- Vattenfall Energy Trading GmbH
- VERBUND AG

HUPX Day-Ahead Market

Description	9/2018	10/2018	Change	
HUPX Base Average Price (EUR/MWh)*	62,94	64,49	1,55	2,46%
HUPX Peak Average Price (EUR/MWh)*	70,25	74,38	4,14	5,89%
HUPX Base Trimmed Mean Price (EUR/MWh)**	63,17	65,22	2,05	3,25%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	70,37	75,20	4,83	6,87%
OTC Base Trimmed Mean Price (EUR/MWh)**	64,14	65,26	1,12	1,75%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	1,01	0,31	-0,69	-68,99%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	117,20	115,09	-2,11	-1,80%
Lowest Traded Price (EUR/MWh)	2,15	15,06	12,91	600,47%

Total Turnover (EUR)	103 226 819	126 216 539	22 989 720	22,27%
Average Daily Turnover (EUR)	3 440 894	4 069 987	629 093	18,28%
Max. Daily Turnover (EUR)	4 316 622	4 925 158	608 536	14,10%
Min. Daily Turnover (EUR)	2 598 702	2 943 716	345 013	13,28%

Description	9/2018	10/2018	Change	
Total Volume (MWh)	1 648 877,5	1 980 430,4	331 552,9	20,11%
Average Daily Traded Volume (MWh)	54 962,6	63 891,0	8 928,4	16,24%
Highest Daily Traded Volume (MWh)	69 203,4	75 013,0	5 809,6	8,39%
Lowest Daily Traded Volume(MWh)	44 574,8	51 056,7	6 481,9	14,54%
Highest Hourly Traded Volume (MWh)	3 109,4	3 685,0	575,6	18,51%
Lowest Hourly Traded Volume(MWh)	1 438,9	1 721,5	282,6	19,64%
Average Hourly Traded Volume (MWh)	2 290,1	2 658,3	368,2	16,08%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	53 068,2	62 828,7	9 760,6	18,39%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	58 751,4	66 921,2	8 169,7	13,91%

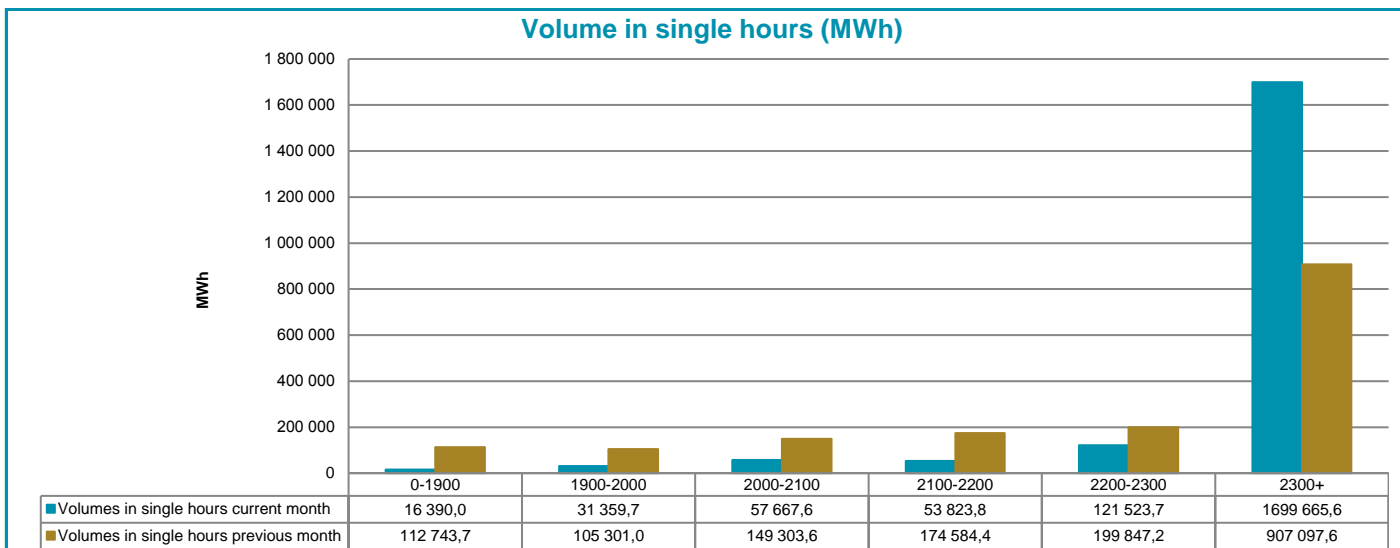
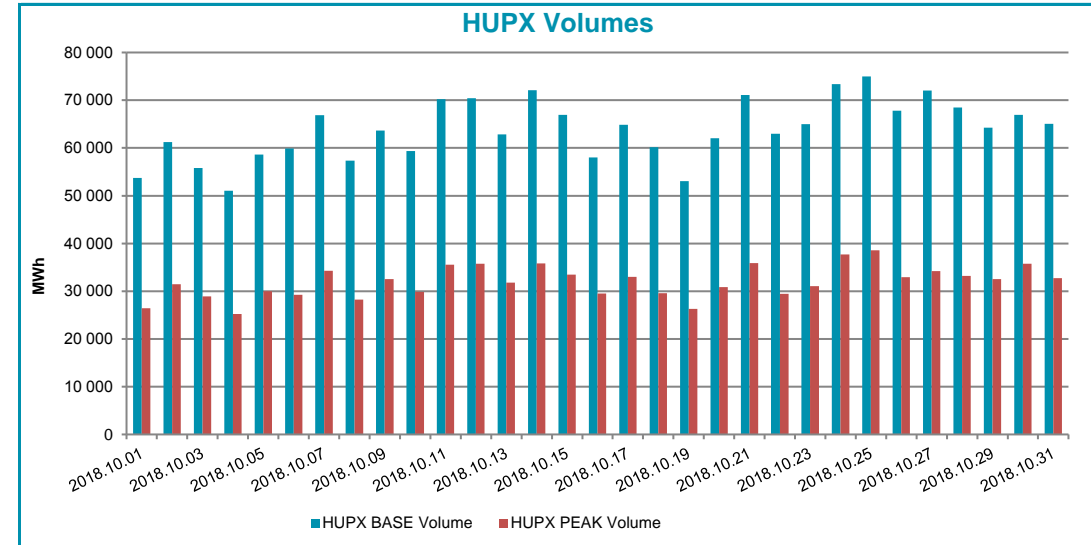
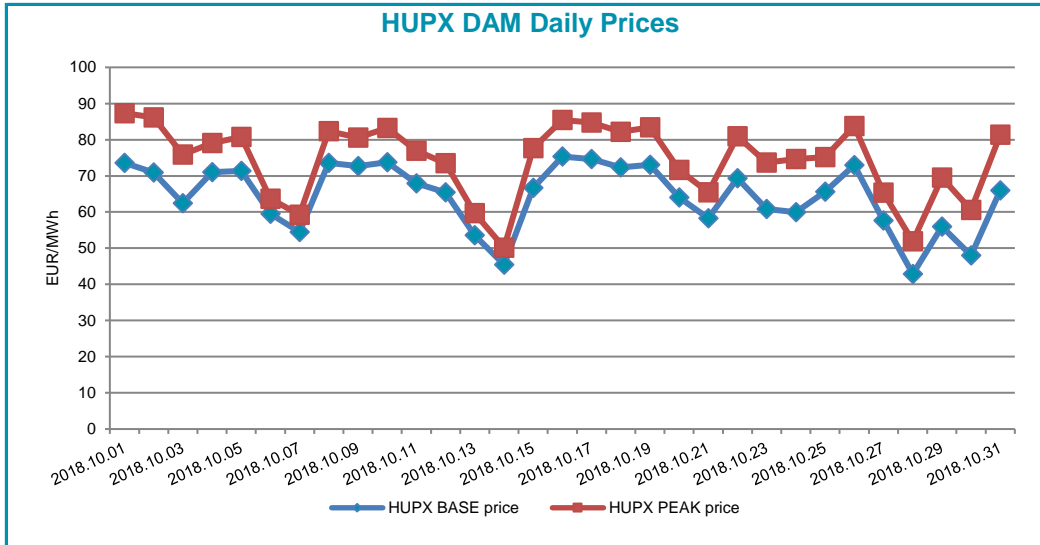
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	27 353,9	31 584,3	4 230,5	15,47%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	29 788,0	33 151,9	3 364,0	11,29%

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.

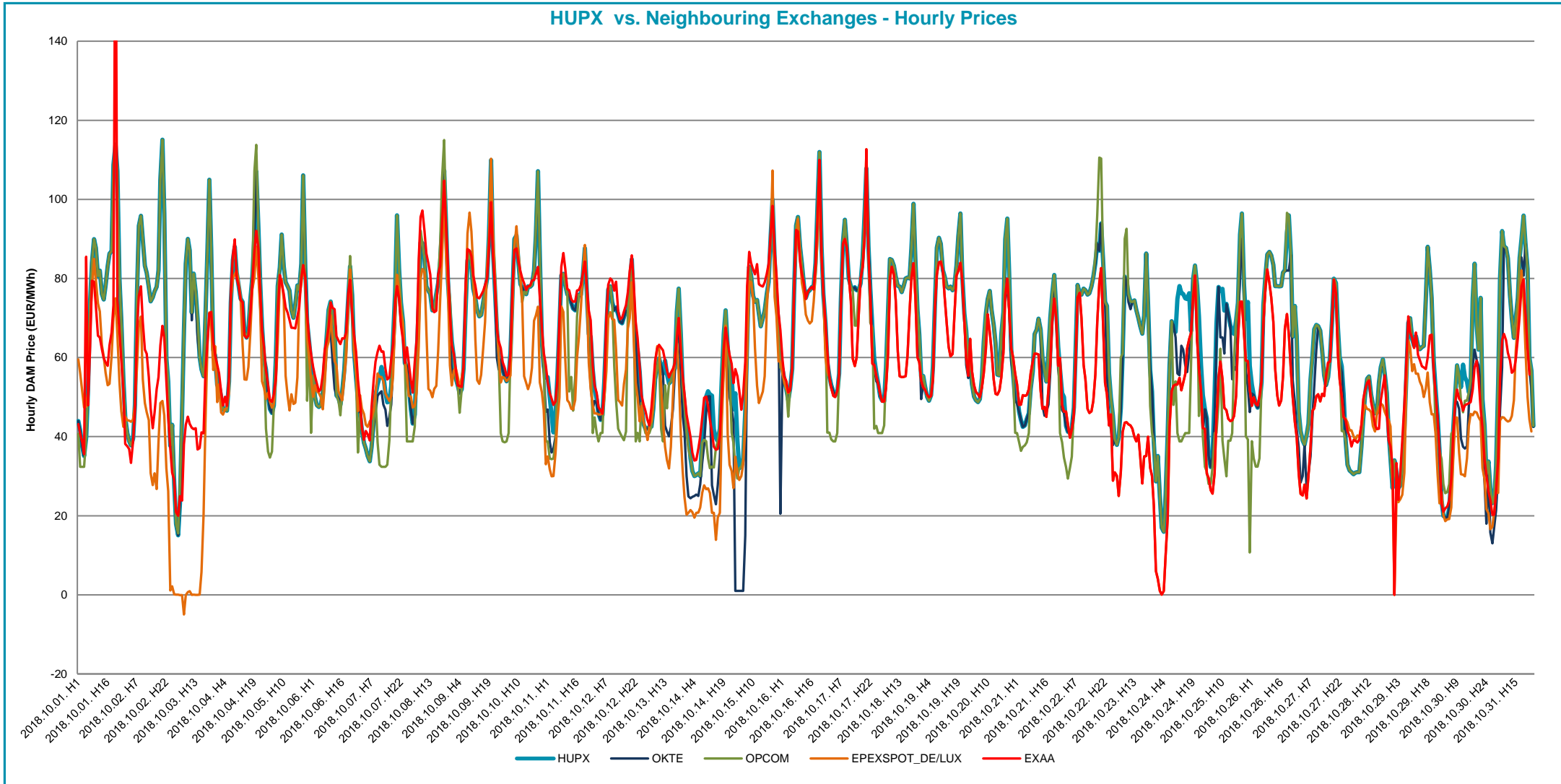
Prices and volumes



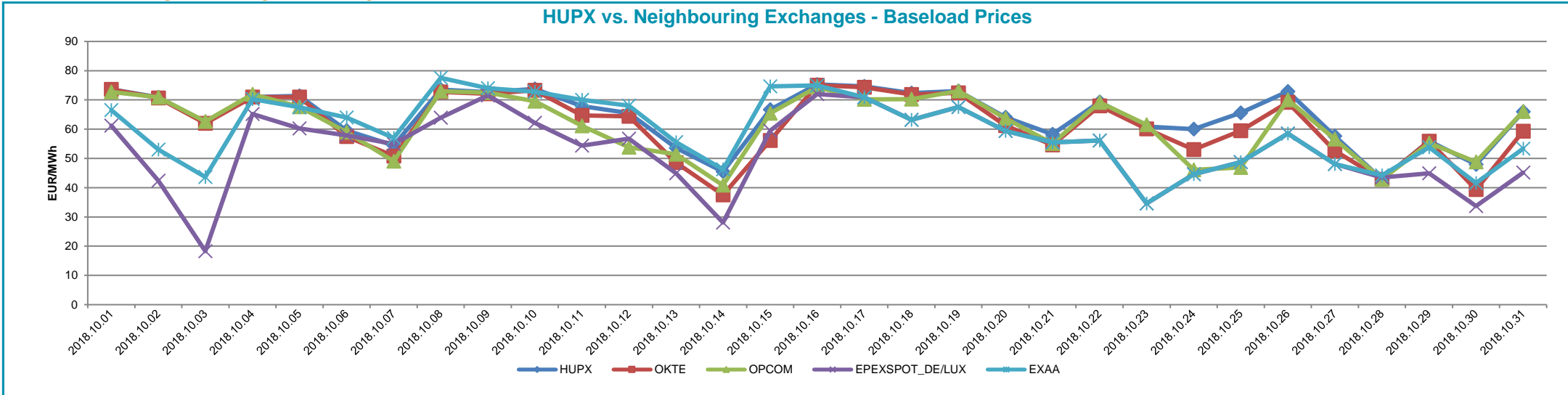
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/10/2018-31/10/2018). 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, 2000-2100 MWh, 2100-2200 MWh and 2200-2300 MWh decreased, while the ratio increased regarding the 2300+ MWh.

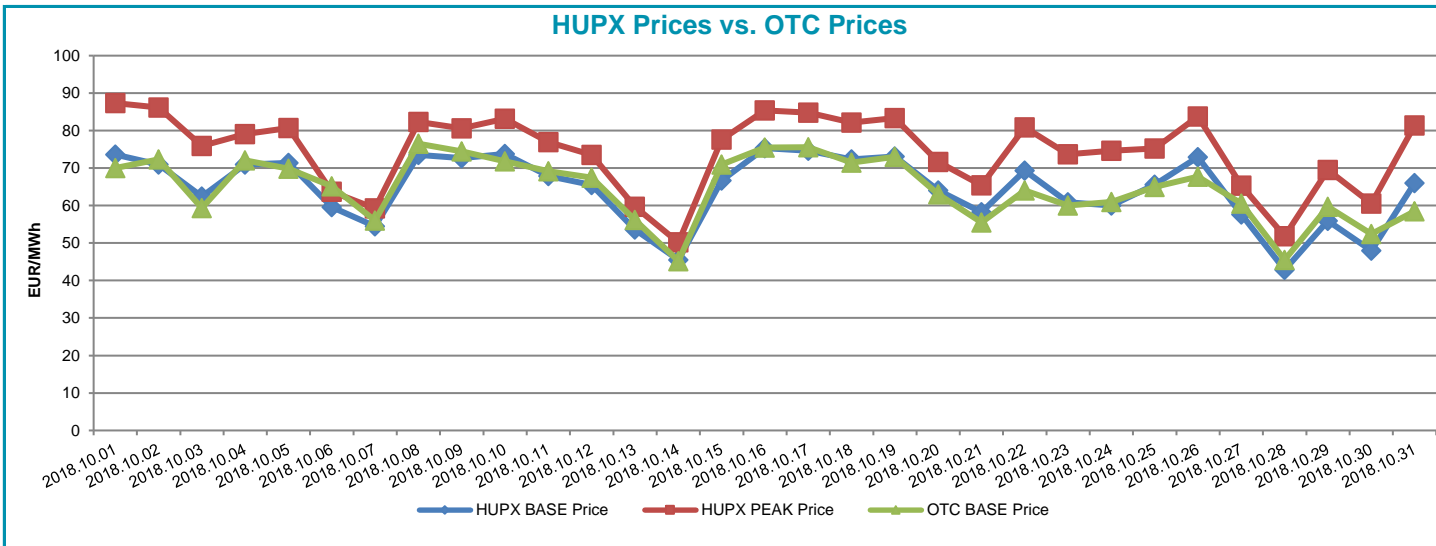
HUPX vs. Neighbouring Exchanges - Hourly Prices



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 01/10/2018-31/10/2018

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	3 968,2	3 931,9	2 953,3
H2	4 050,3	3 811,4	2 958,5
H3	3 873,9	3 514,1	2 725,6
H4	3 863,5	3 431,9	2 657,1
H5	3 713,5	3 442,4	2 565,5
H6	3 607,6	3 579,4	2 558,7
H7	3 478,1	3 582,6	2 391,4
H8	3 411,7	3 749,1	2 399,8
H9	3 483,0	3 981,8	2 603,0
H10	3 579,9	4 048,5	2 663,2
H11	3 678,8	4 138,1	2 726,4
H12	3 676,3	4 207,7	2 792,8
H13	3 664,8	4 215,9	2 818,7
H14	3 658,4	4 140,2	2 776,0
H15	3 686,1	4 066,7	2 751,2
H16	3 581,6	4 034,2	2 681,8
H17	3 457,6	4 016,8	2 582,5
H18	3 312,5	4 009,7	2 475,7
H19	3 172,0	4 130,1	2 493,0
H20	3 251,0	4 265,4	2 624,7
H21	3 424,8	3 923,9	2 468,8
H22	3 590,2	3 869,7	2 547,0
H23	3 757,8	3 996,8	2 714,7
H24	3 966,5	3 935,3	2 867,4
Σ	86 908,4	94 023,3	63 891,0

Base	
MIN (offer)	3 172,0
MAX (offer)	4 050,3
MIN (bid)	3 431,9
MAX (bid)	4 265,4
Average (offer)	3 621,2
Average (bid)	3 917,6

Peak	
MIN (offer)	3 172,0
MAX (offer)	3 686,1
MIN (bid)	3 981,8
MAX (bid)	4 265,4
Average (offer)	3 516,9
Average (bid)	4 104,6

Aggregated OFFERS/BIDS 01/10/2018-31/10/2018

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

Hour	Offers	Bids	Index volumes
H1	123 014,2	121 890,4	91 553,4
H2	125 560,5	118 152,5	91 713,7
H3	123 964,3	112 450,7	87 220,3
H4	119 768,8	106 387,8	82 371,0
H5	115 117,0	106 713,4	79 530,9
H6	111 836,7	110 960,7	79 319,7
H7	107 821,4	111 059,8	74 134,7
H8	105 764,2	116 223,1	74 395,3
H9	107 974,2	123 435,5	80 693,6
H10	110 978,2	125 502,2	82 559,3
H11	114 042,1	128 280,2	84 517,8
H12	113 965,6	130 438,0	86 576,7
H13	113 607,8	130 691,6	87 378,7
H14	113 411,8	128 346,4	86 056,0
H15	114 269,8	126 068,1	85 285,8
H16	111 031,0	125 058,9	83 134,9
H17	107 186,1	124 521,9	80 057,1
H18	102 687,9	124 299,7	76 746,3
H19	98 333,2	128 031,6	77 283,4
H20	100 781,2	132 227,3	81 365,9
H21	106 170,3	121 642,4	76 532,2
H22	111 296,7	119 959,2	78 958,3
H23	116 491,2	123 900,9	84 155,2
H24	122 961,6	121 993,4	88 890,2
Σ	2 698 035,8	2 918 235,7	1 980 430,4

Base	
MIN (offer)	98 333,2
MAX (offer)	125 560,5
MIN (bid)	106 387,8
MAX (bid)	132 227,3
Average (offer)	112 418,2
Average (bid)	121 593,2

Peak	
MIN (offer)	98 333,2
MAX (offer)	114 269,8
MIN (bid)	123 435,5
MAX (bid)	132 227,3
Average (offer)	109 022,4
Average (bid)	127 241,8

HUPX DAM

Traded Volume By Portfolios

