

Monthly Report June 2017

In June the total traded volume increased by 5,29% to 1 596 079,5 MWh compared to 1 515 951,1 MWh in May. The average daily traded volume was 53 202,7 MWh. The highest daily traded volume was 73 604,7 MWh on 2.6.2017. delivery day. This is a record daily traded volume since the launch of HUPX DAM market. The number of admitted members was 60 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

New members

- OMV Gas Marketing & Trading GmbH

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
- 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
- OAM Ozdi Acelmuvek Kft.
- Petrol d.d., Ljubljana
- RIGHT POWER, a.s.
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- TEI Energy S.p.A.
- 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	5/2017	6/2017	Change	
HUPX Base Average Price (EUR/MWh)*	42,71	43,92	1,21	2,83%
HUPX Peak Average Price (EUR/MWh)*	46,51	50,18	3,66	7,87%
HUPX Base Trimmed Mean Price (EUR/MWh)**	43,33	44,19	0,86	1,99%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	47,28	50,57	3,29	6,96%
OTC Base Trimmed Mean Price (EUR/MWh)**	43,04	45,70	2,66	6,17%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,03	1,51	1,48	4637,90%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	70,59	72,50	1,91	2,71%
Lowest Traded Price (EUR/MWh)	0,13	10,10	9,97	7669,23%

Total Turnover (EUR)	65 015 373	69 540 231	4 524 858	6,96%
Average Daily Turnover (EUR)	2 097 270	2 318 008	220 738	10,52%
Max. Daily Turnover (EUR)	3 184 113	3 252 304	68 191	2,14%
Min. Daily Turnover (EUR)	931 950	1 312 026	380 076	40,78%

Description	5/2017	6/2017	Change	
Total Volume (MWh)	1 515 951,1	1 596 079,5	80 128,4	5,29%
Average Daily Traded Volume (MWh)	48 901,6	53 202,7	4 301,0	8,80%
Highest Daily Traded Volume (MWh)	59 032,5	73 604,7	14 572,2	24,69%
Lowest Daily Traded Volume(MWh)	42 622,3	43 500,7	878,4	2,06%
Highest Hourly Traded Volume (MWh)	2 979,5	3 331,8	352,3	11,82%
Lowest Hourly Traded Volume(MWh)	1 484,5	1 468,8	-15,7	-1,06%
Average Hourly Traded Volume (MWh)	2 037,6	2 216,8	179,2	8,80%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	49 676,6	53 066,1	3 389,5	6,82%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	46 673,5	53 578,1	6 904,5	14,79%

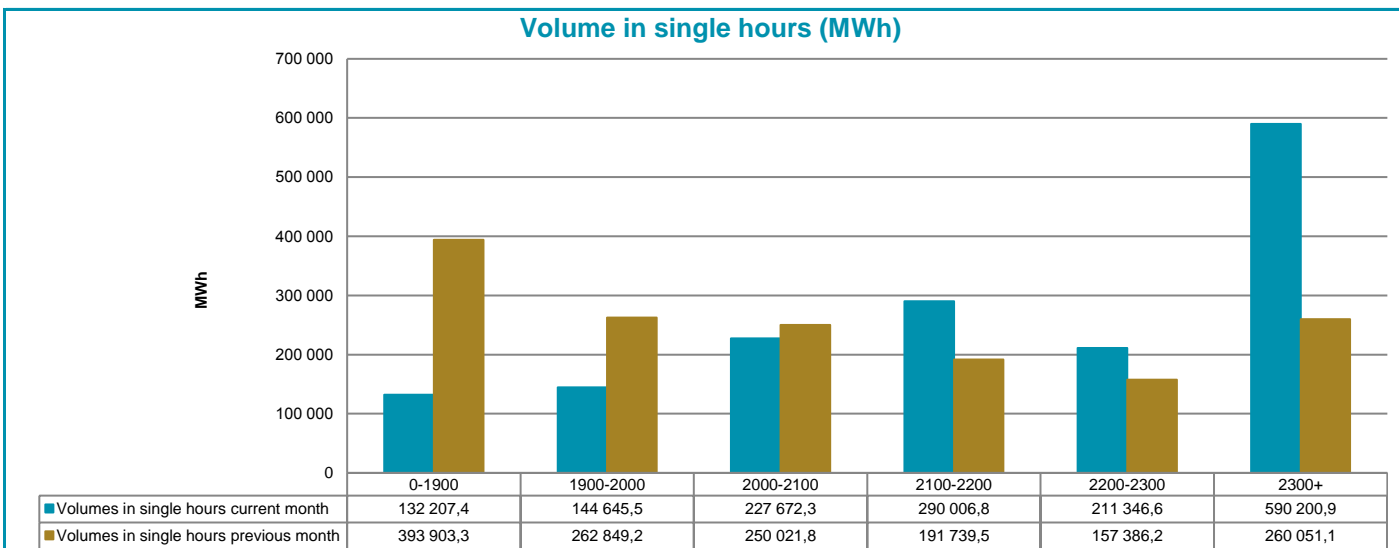
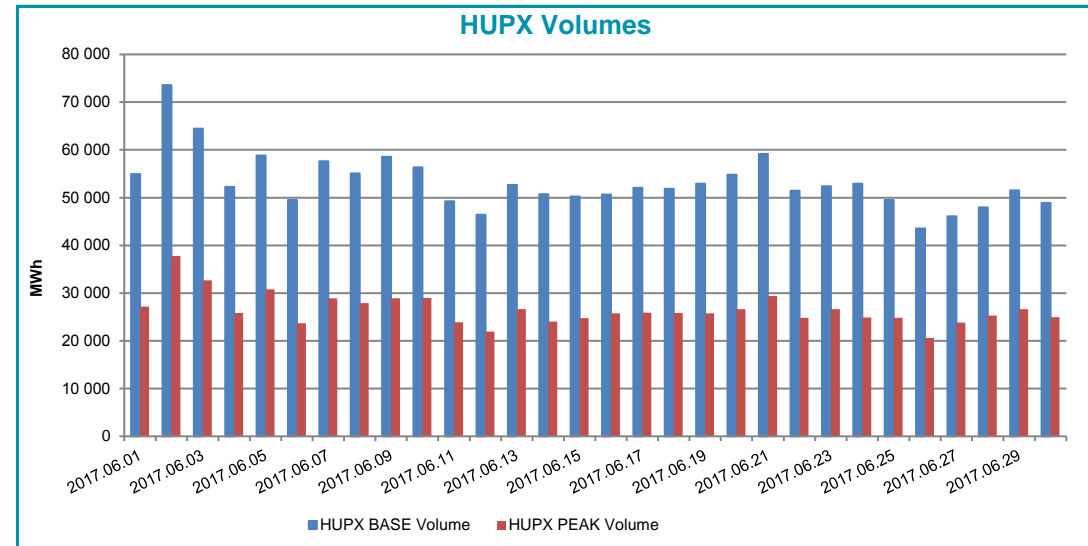
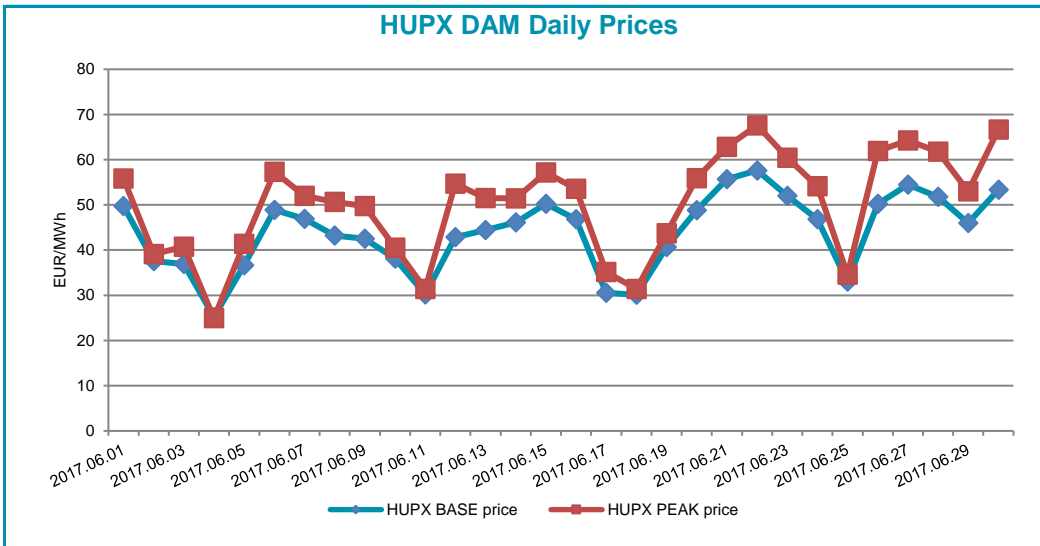
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	24 579,9	26 493,0	1 913,1	7,78%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	23 773,6	26 607,9	2 834,4	11,92%

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.

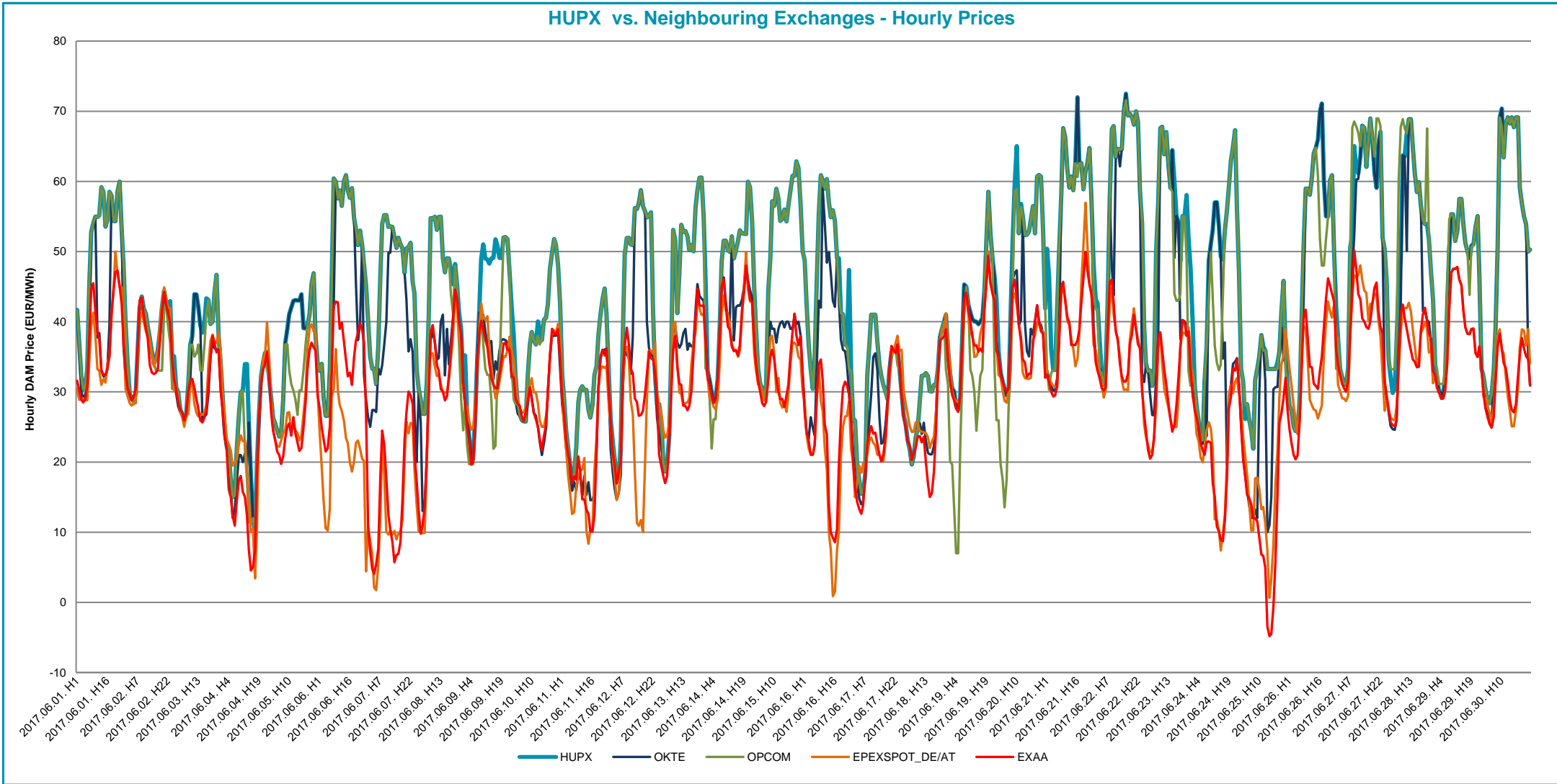
Prices and volumes



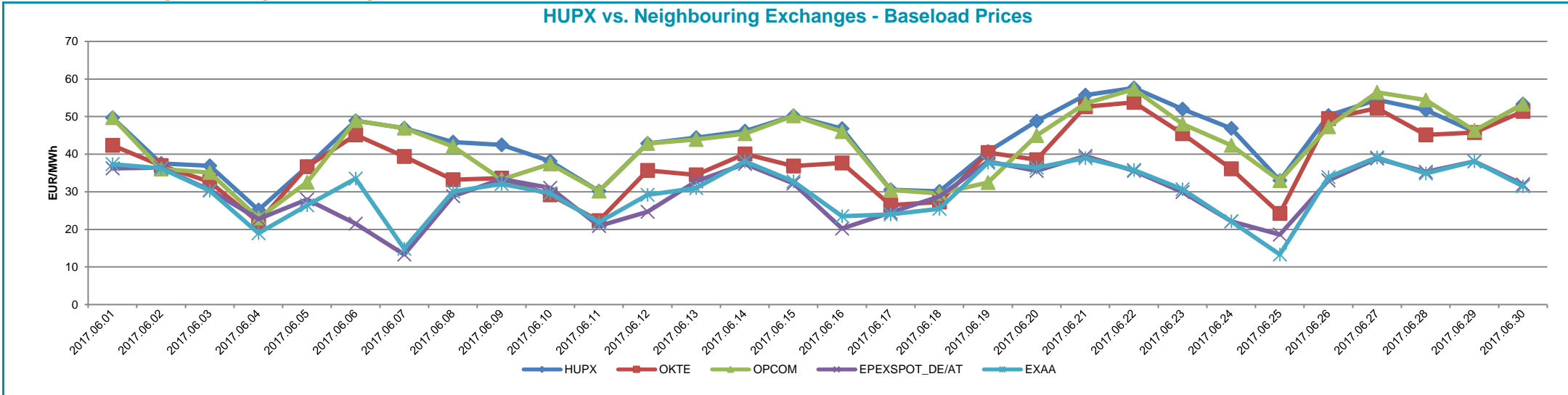
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/06/2017-30/06/2017). 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, 1900-2000 MWh and 2000-2100 MWh decreased, while the ratio increased regarding the 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh.

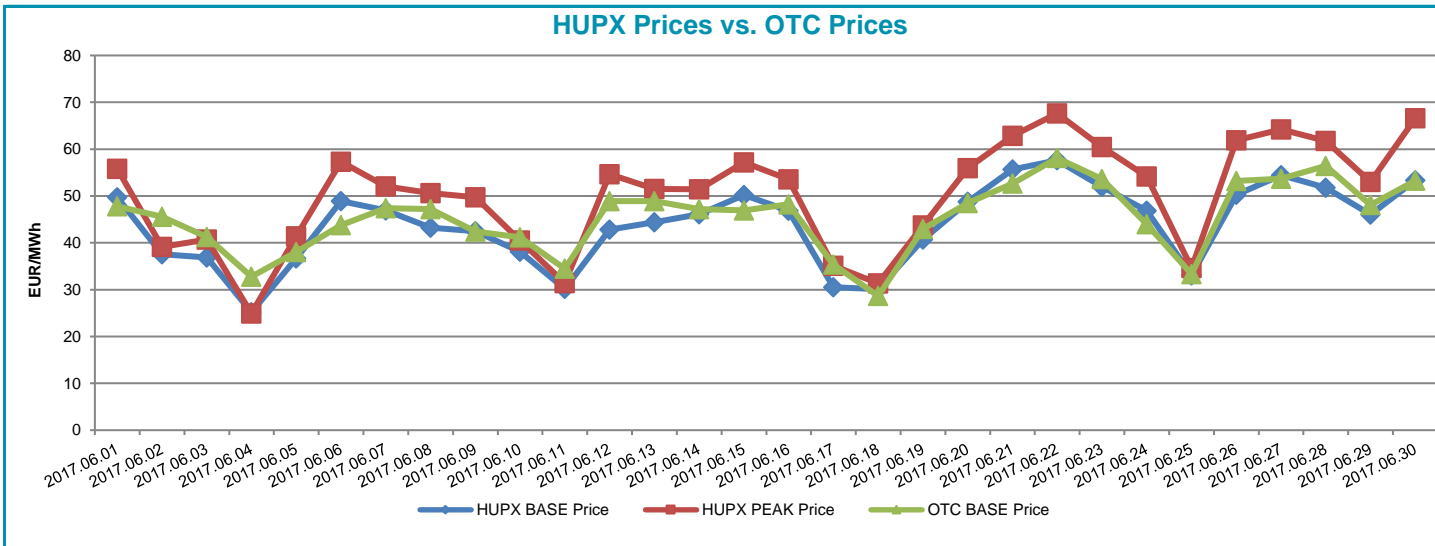
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	1,51
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/06/2017-30/06/2017

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	3 036,8	3 639,3	2 238,8
H2	3 132,6	3 548,5	2 323,2
H3	3 097,4	3 441,8	2 268,3
H4	3 121,0	3 352,8	2 225,6
H5	3 174,8	3 287,3	2 228,9
H6	3 103,4	3 313,5	2 190,5
H7	2 921,8	3 534,4	2 136,8
H8	2 912,6	3 710,8	2 166,0
H9	2 725,9	3 975,8	2 111,3
H10	2 693,9	4 033,3	2 107,1
H11	2 730,7	4 107,3	2 158,8
H12	2 727,7	4 216,0	2 221,0
H13	2 684,8	4 312,1	2 255,0
H14	2 718,4	4 272,0	2 248,0
H15	2 784,9	4 222,5	2 259,3
H16	2 795,1	4 197,8	2 265,7
H17	2 835,5	4 177,4	2 260,9
H18	2 798,9	4 144,9	2 233,0
H19	2 814,1	4 093,5	2 210,9
H20	2 821,3	4 099,4	2 192,7
H21	2 849,3	3 890,4	2 137,3
H22	2 878,5	3 936,3	2 196,7
H23	3 047,6	3 905,9	2 303,7
H24	3 190,0	3 798,0	2 263,1
Σ	69 597,2	93 211,0	53 202,7

Base	
MIN (offer)	2 684,8
MAX (offer)	3 190,0
MIN (bid)	3 287,3
MAX (bid)	4 312,1
Average (offer)	2 899,9
Average (bid)	3 883,8

Peak	
MIN (offer)	2 684,8
MAX (offer)	2 835,5
MIN (bid)	3 975,8
MAX (bid)	4 312,1
Average (offer)	2 760,9
Average (bid)	4 154,3

Aggregated OFFERS/BIDS 01/06/2017-30/06/2017

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

Hour	Offers	Bids	Index volumes
H1	91 103,2	109 180,0	67 165,1
H2	93 976,9	106 454,1	69 697,2
H3	92 922,6	103 252,5	68 047,9
H4	93 631,1	100 583,5	66 767,5
H5	95 243,4	98 619,1	66 868,4
H6	93 102,2	99 406,3	65 715,1
H7	87 654,4	106 032,4	64 104,3
H8	87 377,0	111 322,9	64 978,8
H9	81 776,5	119 273,9	63 340,0
H10	80 816,2	120 998,5	63 211,7
H11	81 922,1	123 220,2	64 765,0
H12	81 831,3	126 479,6	66 629,0
H13	80 545,2	129 363,8	67 651,4
H14	81 553,0	128 158,6	67 440,1
H15	83 545,7	126 675,0	67 778,1
H16	83 853,5	125 933,1	67 970,7
H17	85 066,0	125 322,9	67 825,9
H18	83 967,9	124 346,8	66 988,8
H19	84 423,0	122 805,9	66 326,6
H20	84 640,4	122 982,5	65 782,0
H21	85 480,4	116 713,0	64 120,1
H22	86 355,9	118 088,2	65 902,4
H23	91 427,0	117 176,2	69 109,9
H24	95 700,0	113 941,2	67 893,5
Σ	2 087 914,9	2 796 330,2	1 596 079,5

Base	
MIN (offer)	80 545,2
MAX (offer)	95 700,0
MIN (bid)	98 619,1
MAX (bid)	129 363,8
Average (offer)	86 996,5
Average (bid)	116 513,8

Peak	
MIN (offer)	80 545,2
MAX (offer)	85 066,0
MIN (bid)	119 273,9
MAX (bid)	129 363,8
Average (offer)	82 828,4
Average (bid)	124 630,1