

Monthly Report July 2017

In July the total traded volume decreased by 6,2% to 1 497 052,8 MWh compared to 1 596 079,5 MWh in June. The average daily traded volume was 48 292,0 MWh. The highest daily traded volume was 62 017,8 MWh on 2.7.2017. delivery day. 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

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.
- OMV Gas Marketing & Trading GmbH
- 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	6/2017	7/2017	Change	
HUPX Base Average Price (EUR/MWh)*	43,92	51,86	7,94	18,08%
HUPX Peak Average Price (EUR/MWh)*	50,18	60,32	10,14	20,21%
HUPX Base Trimmed Mean Price (EUR/MWh)**	44,19	51,87	7,69	17,39%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	50,57	60,14	9,57	18,92%
OTC Base Trimmed Mean Price (EUR/MWh)**	45,70	51,70	6,00	13,13%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	1,51	-0,35	-1,87	-123,46%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	72,50	106,38	33,88	46,73%
Lowest Traded Price (EUR/MWh)	10,10	12,92	2,82	27,92%

Total Turnover (EUR)	69 540 231	76 626 693	7 086 462	10,19%
Average Daily Turnover (EUR)	2 318 008	2 471 829	153 821	6,64%
Max. Daily Turnover (EUR)	3 252 304	3 887 004	634 700	19,52%
Min. Daily Turnover (EUR)	1 312 026	1 649 798	337 771	25,74%

Description	6/2017	7/2017	Change	
Total Volume (MWh)	1 596 079,5	1 497 052,8	-99 026,7	-6,20%
Average Daily Traded Volume (MWh)	53 202,7	48 292,0	-4 910,6	-9,23%
Highest Daily Traded Volume (MWh)	73 604,7	62 017,8	-11 586,9	-15,74%
Lowest Daily Traded Volume(MWh)	43 500,7	41 782,7	-1 718,0	-3,95%
Highest Hourly Traded Volume (MWh)	3 331,8	3 156,6	-175,2	-5,26%
Lowest Hourly Traded Volume(MWh)	1 468,8	1 373,6	-95,2	-6,48%
Average Hourly Traded Volume (MWh)	2 216,8	2 012,2	-204,6	-9,23%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	53 066,1	47 985,2	-5 081,0	-9,57%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	53 578,1	48 936,4	-4 641,6	-8,66%

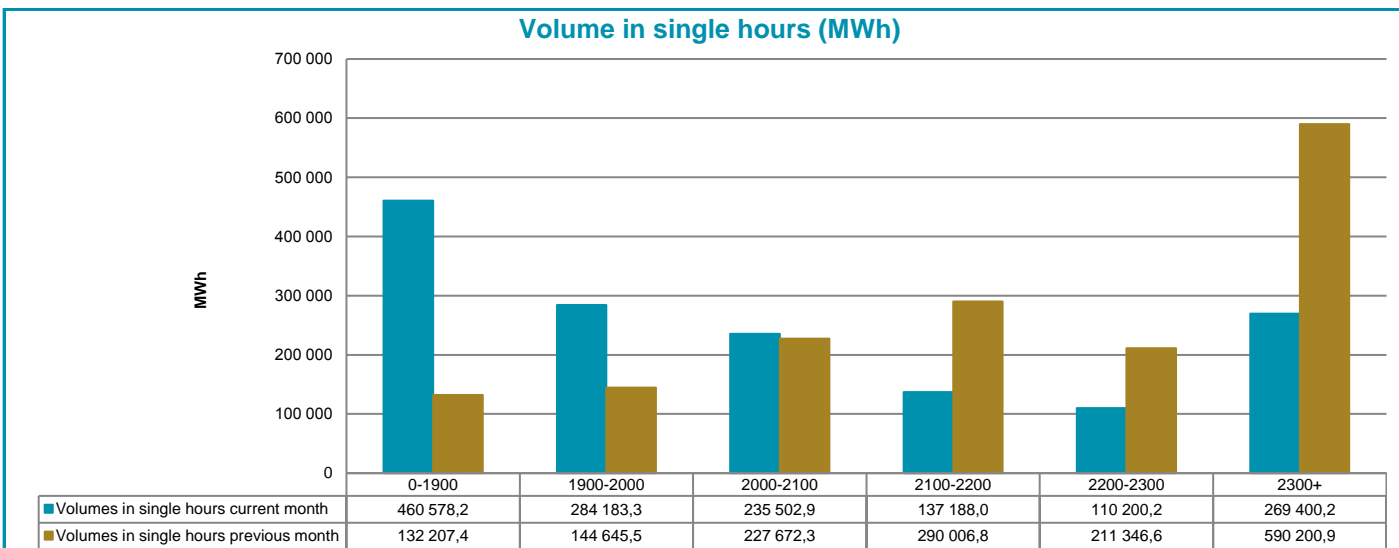
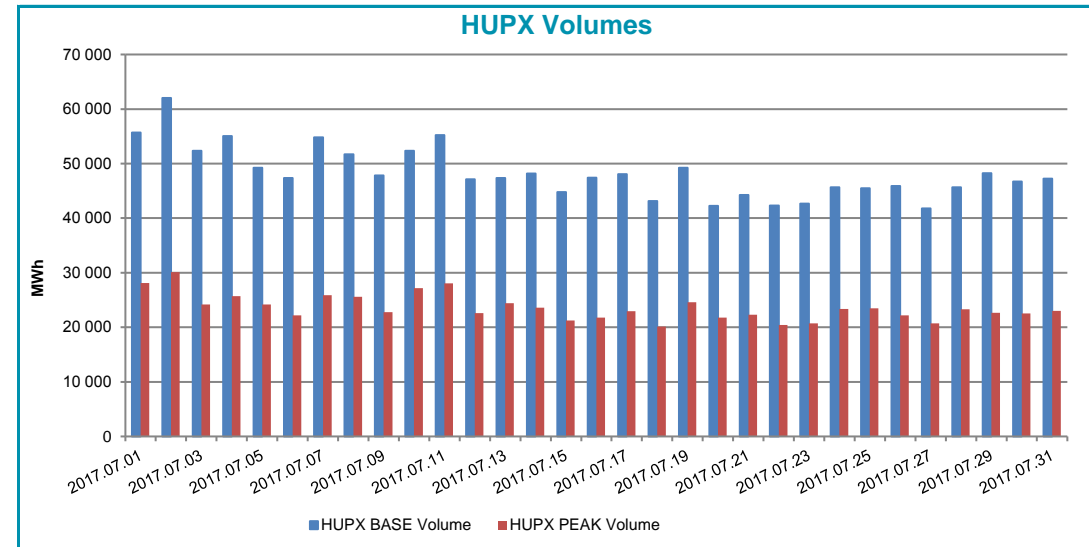
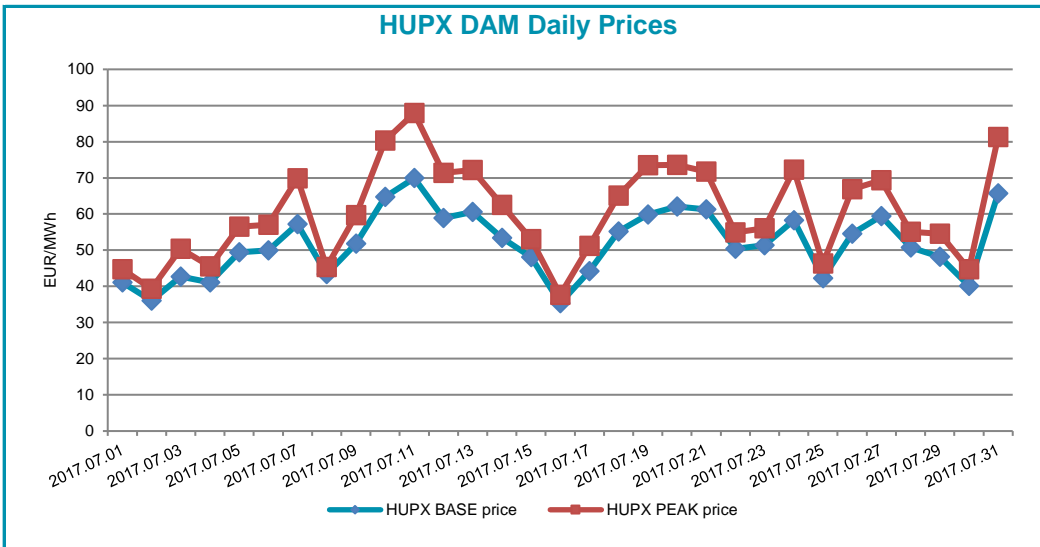
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 493,0	23 610,2	-2 882,8	-10,88%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 607,9	23 592,0	-3 016,0	-11,33%

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.

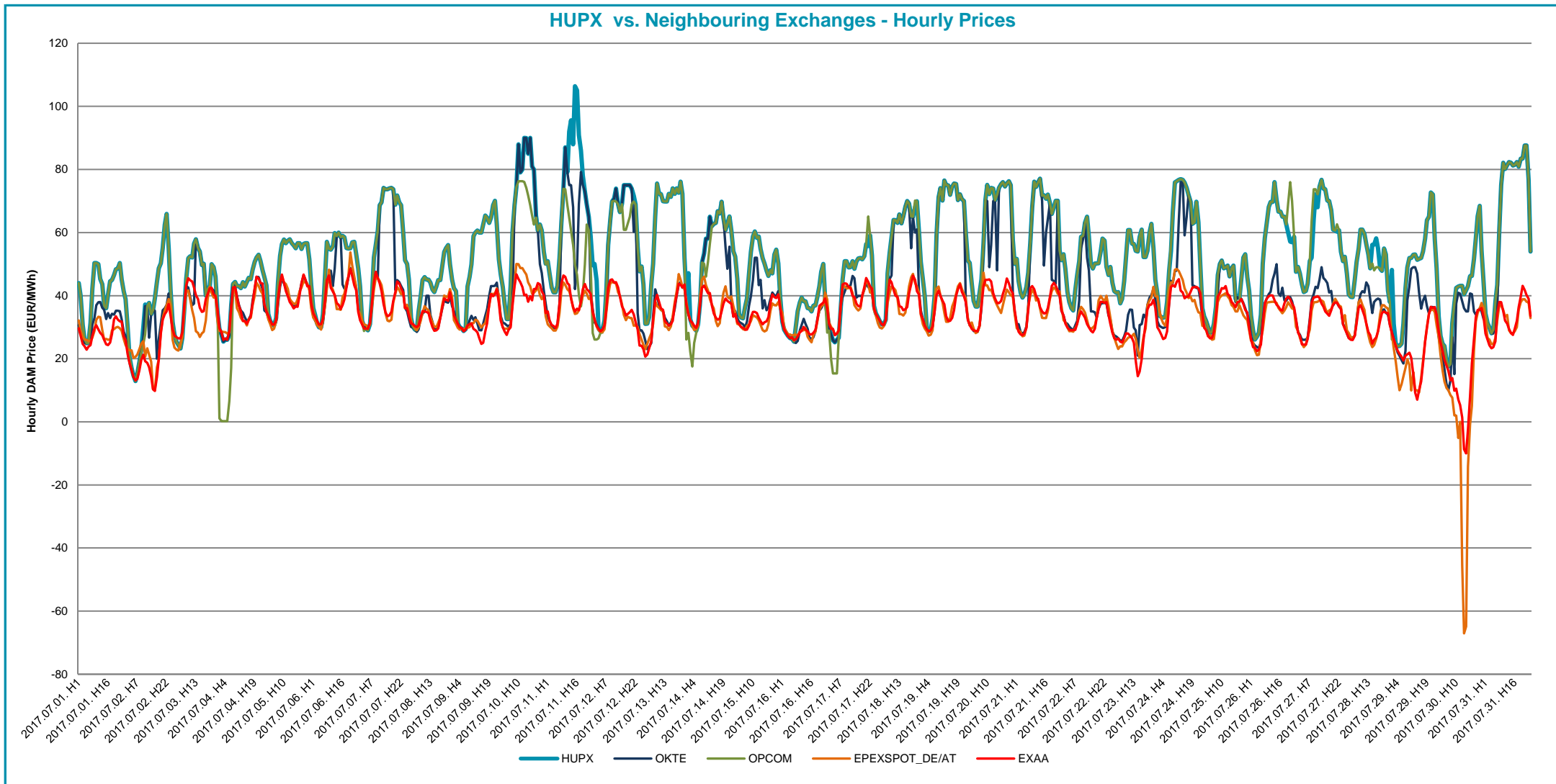
Prices and volumes



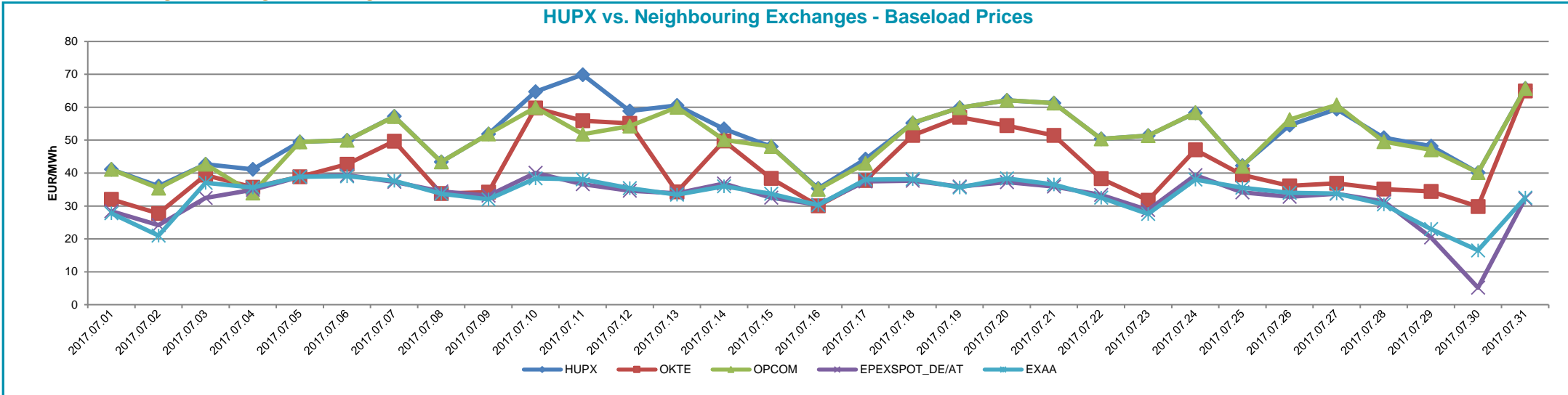
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/07/2017-31/07/2017). 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 2100-2200 MWh, 2200-2300 MWh and 2300+ MWh decreased, while the ratio increased regarding the 0-1900 MWh, 1900-2000 MWh and 2000-2100 MWh.

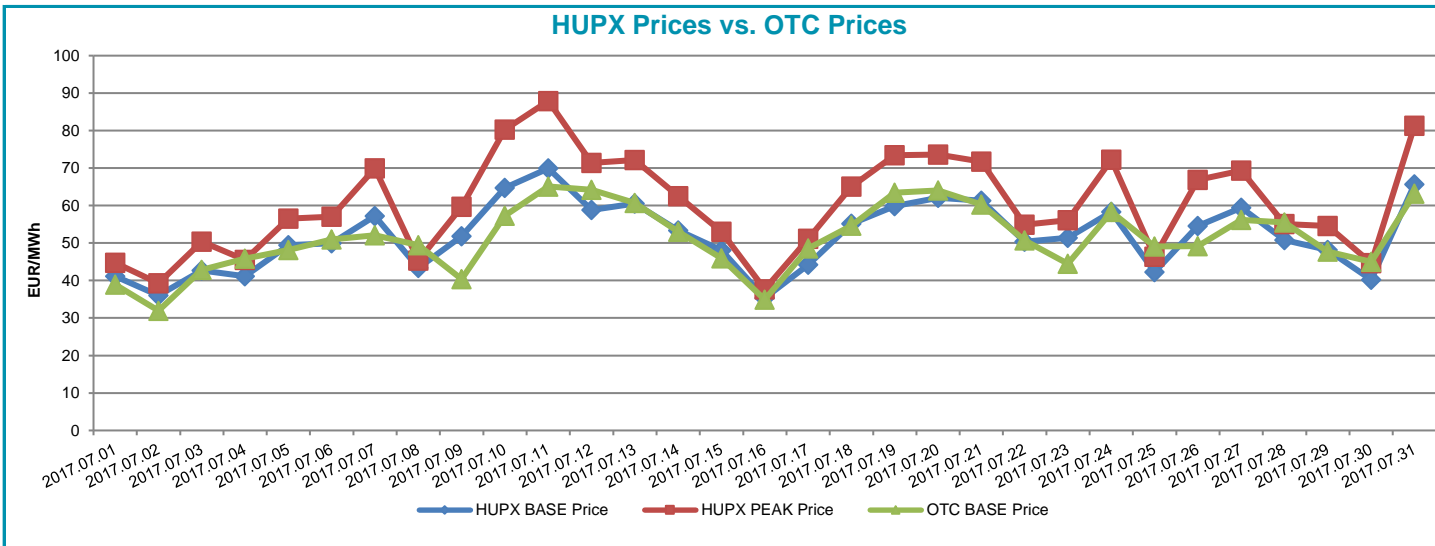
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,35
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/07/2017-31/07/2017

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	2 641,5	3 356,4	1 988,2
H2	2 829,9	3 403,8	2 128,5
H3	2 964,9	3 363,6	2 189,1
H4	2 997,3	3 339,8	2 208,8
H5	3 041,0	3 322,6	2 232,8
H6	2 899,8	3 302,8	2 149,0
H7	2 671,7	3 260,2	1 985,7
H8	2 600,6	3 536,5	2 043,6
H9	2 394,0	3 676,8	1 919,8
H10	2 295,0	3 744,4	1 913,2
H11	2 360,1	3 784,2	1 965,3
H12	2 389,1	3 838,7	2 021,8
H13	2 359,9	3 901,7	2 036,2
H14	2 387,7	3 851,6	2 026,6
H15	2 399,9	3 804,6	1 997,0
H16	2 400,6	3 803,0	1 982,6
H17	2 377,5	3 769,6	1 952,4
H18	2 353,3	3 693,6	1 913,0
H19	2 380,6	3 693,5	1 927,6
H20	2 410,3	3 719,7	1 948,9
H21	2 472,7	3 759,5	2 028,0
H22	2 426,6	3 738,6	1 991,0
H23	2 358,4	3 565,9	1 858,7
H24	2 636,0	3 406,6	1 884,4
Σ	61 048,3	86 637,6	48 292,0

Base	
MIN (offer)	2 295,0
MAX (offer)	3 041,0
MIN (bid)	3 260,2
MAX (bid)	3 901,7
Average (offer)	2 543,7
Average (bid)	3 609,9

Peak	
MIN (offer)	2 295,0
MAX (offer)	2 410,3
MIN (bid)	3 676,8
MAX (bid)	3 901,7
Average (offer)	2 375,7
Average (bid)	3 773,4

Aggregated OFFERS/BIDS 01/07/2017-31/07/2017

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

Hour	Offers	Bids	Index volumes
H1	81 887,0	104 047,4	61 634,4
H2	87 726,1	105 517,9	65 982,4
H3	91 913,2	104 270,1	67 861,5
H4	92 916,0	103 532,4	68 471,6
H5	94 271,0	103 001,9	69 215,6
H6	89 894,8	102 387,0	66 619,8
H7	82 823,7	101 066,2	61 557,7
H8	80 619,6	109 632,9	63 350,2
H9	74 212,5	113 979,6	59 514,3
H10	71 144,8	116 077,8	59 308,2
H11	73 162,5	117 310,3	60 924,9
H12	74 063,3	118 999,1	62 675,4
H13	73 157,8	120 954,1	63 123,6
H14	74 017,4	119 398,5	62 823,2
H15	74 395,9	117 941,4	61 905,5
H16	74 418,0	117 891,9	61 460,1
H17	73 701,8	116 856,3	60 525,5
H18	72 951,9	114 503,0	59 304,3
H19	73 797,3	114 498,9	59 755,1
H20	74 718,7	115 309,9	60 414,6
H21	76 652,5	116 545,1	62 867,0
H22	75 225,1	115 897,4	61 721,6
H23	73 110,9	110 542,0	57 618,7
H24	81 715,4	105 605,1	58 417,6
Σ	1 892 497,2	2 685 766,2	1 497 052,8

Base	
MIN (offer)	71 144,8
MAX (offer)	94 271,0
MIN (bid)	101 066,2
MAX (bid)	120 954,1
Average (offer)	78 854,1
Average (bid)	111 906,9

Peak	
MIN (offer)	71 144,8
MAX (offer)	74 718,7
MIN (bid)	113 979,6
MAX (bid)	120 954,1
Average (offer)	73 645,2
Average (bid)	116 976,7