

Monthly Report August 2016

In August the total traded volume decreased by 6,81% to 1 460 076,6 MWh compared to 1 566 843,6 MWh in July. The average daily traded volume was 47 099,2 MWh. The highest daily traded volume was 56 881,7 MWh on 01.08.2016 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
- Energy Financing Team (Switzerland) AG
- GEN-I, trgovanje in prodaja elektricne energije, d.o.o.
- Holding Slovenske Elektrarne d.o.o.
- JAS Budapest Zrt.
- Magyar Aramszolgáltató Kft.
- Matrai Eromu Zrt.
- MVM Partner Zrt.
- Statkraft Markets GmbH
- Uniper Global Commodities SE

New members

- E.ON Energiakereskedelmi Kft.
- MET Austria Energy Trade GmbH

Admitted members

- ARELCO POWER S.R.L.
- AXPO Trading AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedo Kft.
- Budapesti Eromu Zrt.
- Citigroup Global Markets Limited
- Dufenergy Global Commodities
- EDF DEMASZ Zrt.
- EDF Trading Limited
- Edison Trading S.p.A.
- EDS International SK
- Enel Trade S.p.A.
- Energi Danmark A/S
- 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.
- IFC Energy Kereskedelmi Kft.
- Interenergo d.o.o.
- ISD Power Kft.
- KDF Energy SRL
- LE Trading a.s.
- MAVIR Zrt.
- Monsson Trading S.R.L.
- NEAS Energy A/S
- OAM Ozdi Acelmuvek Kft.
- OMV Trading GmbH
- Petrol d.d., Ljubljana
- RWE Supply & Trading GmbH
- TEI Energy S.p.A.
- TINMAR ENERGY SA
- Trailstone GmbH
- TRANSENERGO COM S.A.
- Vattenfall Energy Trading GmbH
- VERBUND AG
- Vitol Gas & Power B.V.
- VPP ENERGY Eromu-uzemelteto es Kereskedelmi Zrt.

HUPX Day-Ahead Market

Description	7/2016	8/2016	Change	
HUPX Base Average Price (EUR/MWh)*	35,18	33,00	-2,17	-6,18%
HUPX Peak Average Price (EUR/MWh)*	39,31	36,85	-2,45	-6,24%
HUPX Base Trimmed Mean Price (EUR/MWh)**	35,34	33,22	-2,12	-5,99%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	39,37	37,00	-2,37	-6,03%
OTC Base Trimmed Mean Price (EUR/MWh)**	36,46	33,29	-3,17	-8,69%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	1,04	0,06	-0,98	-94,51%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	65,89	54,04	-11,85	-17,98%
Lowest Traded Price (EUR/MWh)	10,60	10,60	0,00	0,00%

Total Turnover (EUR)	55 580 580	48 117 041	-7 463 539	-13,43%
Average Daily Turnover (EUR)	1 792 922	1 552 163	-240 759	-13,43%
Max. Daily Turnover (EUR)	2 546 642	2 111 541	-435 101	-17,09%
Min. Daily Turnover (EUR)	1 153 696	1 026 546	-127 150	-11,02%

Description	7/2016	8/2016	Change	
Total Volume (MWh)	1 566 843,6	1 460 076,6	-106 767,0	-6,81%
Average Daily Traded Volume (MWh)	50 543,3	47 099,2	-3 444,1	-6,81%
Highest Daily Traded Volume (MWh)	55 883,2	56 881,7	998,5	1,79%
Lowest Daily Traded Volume(MWh)	42 386,3	41 529,2	-857,1	-2,02%
Highest Hourly Traded Volume (MWh)	2 619,9	2 693,5	73,6	2,81%
Lowest Hourly Traded Volume(MWh)	1 438,2	1 427,7	-10,5	-0,73%
Average Hourly Traded Volume (MWh)	2 106,0	1 962,5	-143,5	-6,81%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	51 213,5	47 568,0	-3 645,5	-7,12%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	49 136,0	45 751,6	-3 384,4	-6,89%

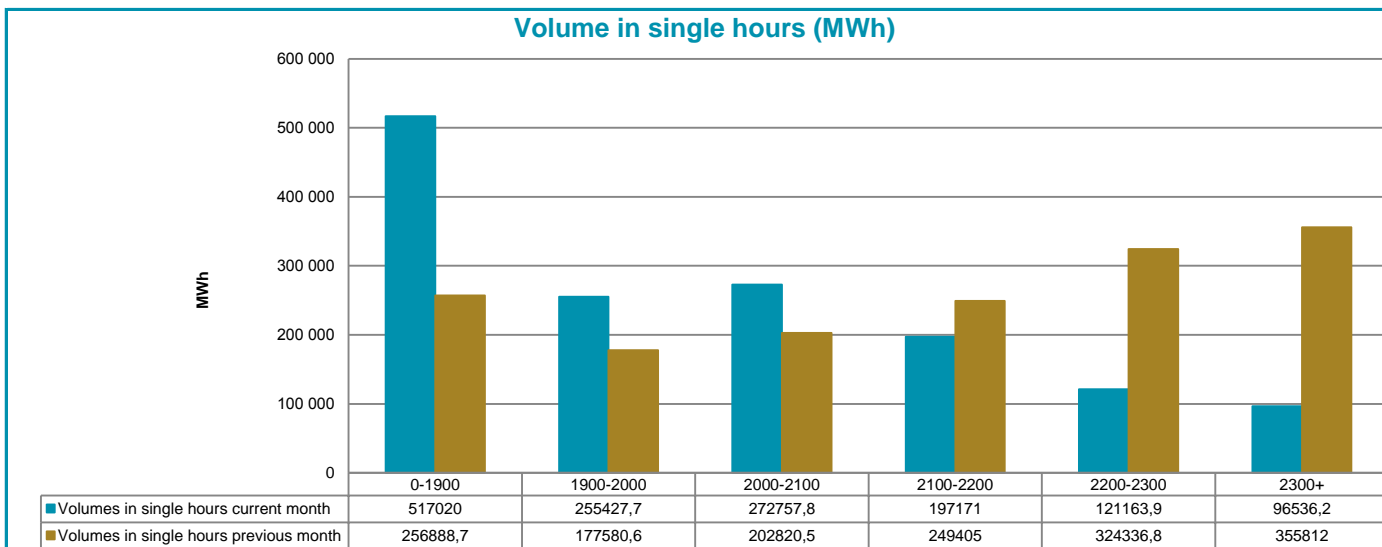
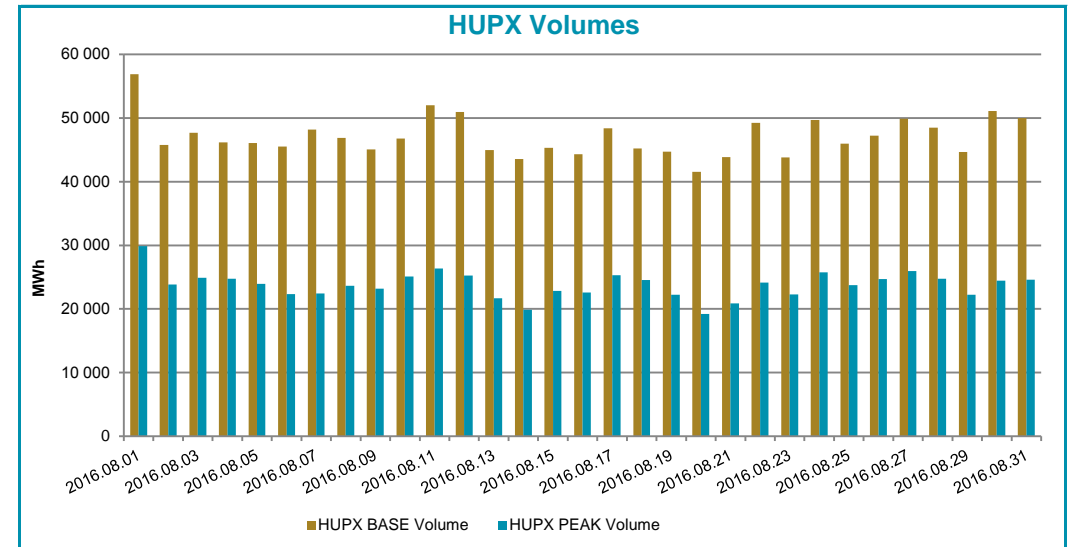
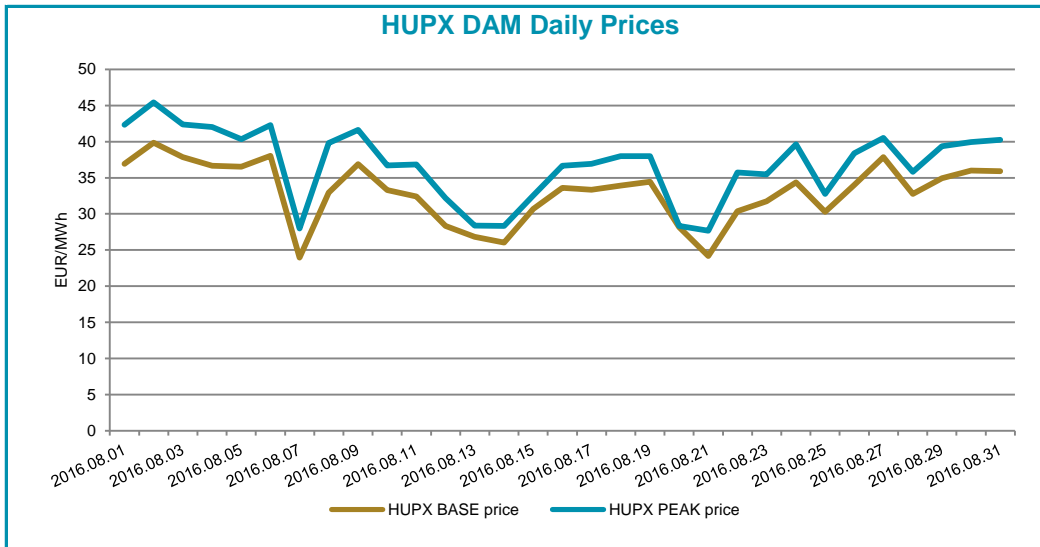
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 528,1	24 367,3	-2 160,9	-8,15%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	25 009,9	22 136,4	-2 873,5	-11,49%

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.

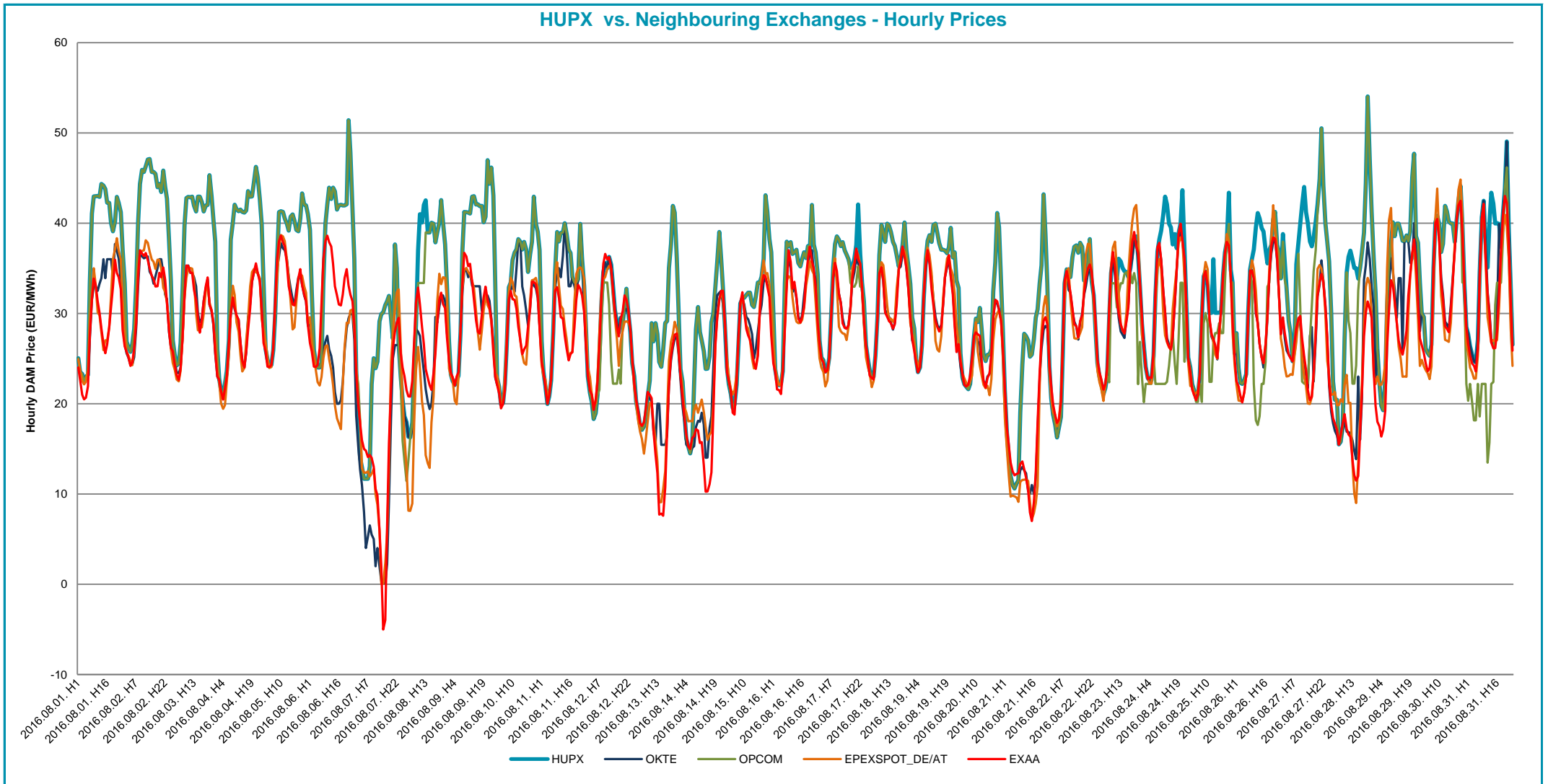
Prices and volumes



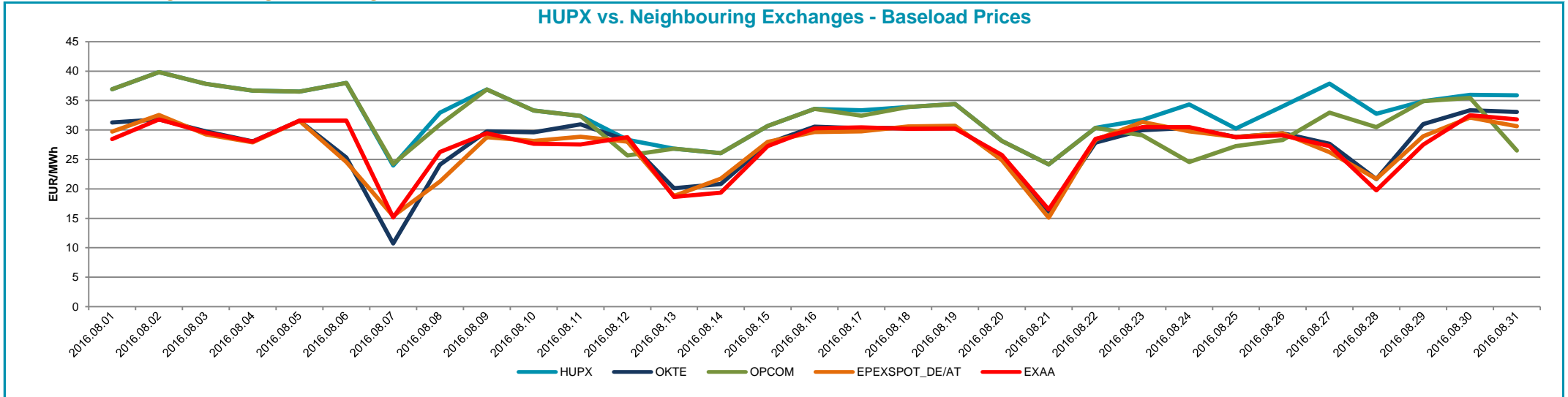
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/08/2016-31/08/2016). 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.

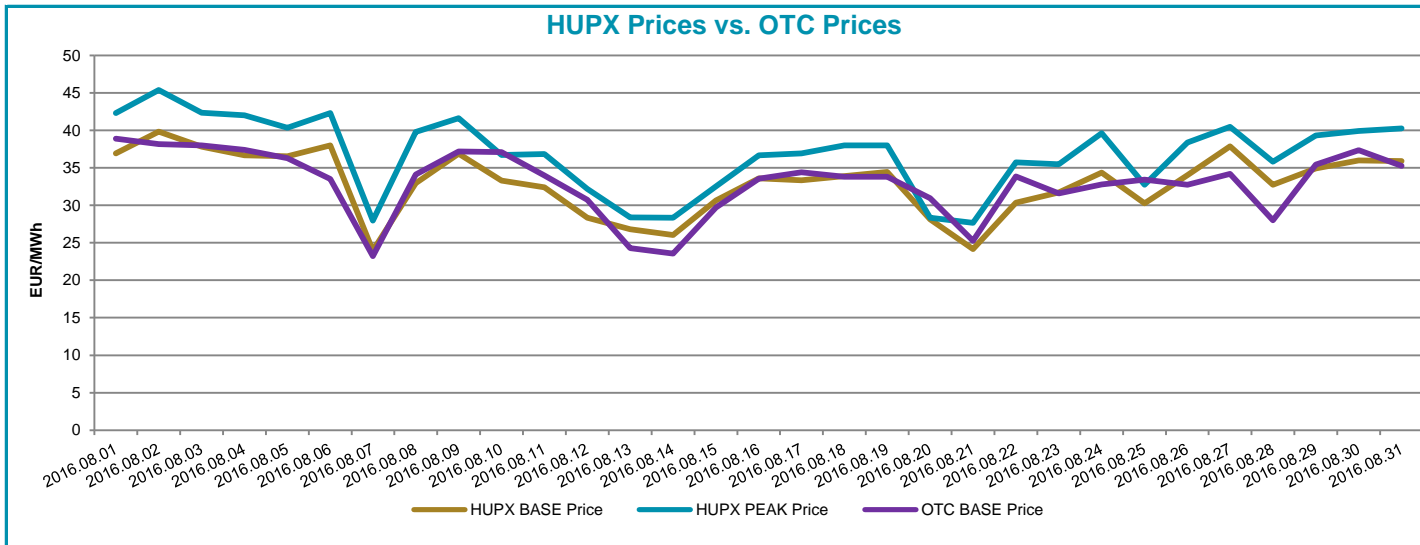
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,06
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/08/2016-31/08/2016

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	2 702,6	2 861,1	1 811,4
H2	2 991,9	2 825,6	1 934,4
H3	3 157,0	2 905,2	2 094,8
H4	3 198,6	2 898,4	2 111,6
H5	3 147,1	2 831,5	2 055,3
H6	3 199,8	2 777,8	1 997,3
H7	3 010,9	2 845,3	1 908,9
H8	2 831,1	3 091,1	1 962,8
H9	2 701,6	3 185,0	1 959,0
H10	2 613,7	3 286,9	1 958,7
H11	2 604,5	3 344,8	1 981,7
H12	2 520,6	3 418,8	1 980,7
H13	2 503,7	3 471,4	2 019,9
H14	2 510,5	3 414,1	1 991,5
H15	2 554,2	3 388,9	1 988,5
H16	2 578,0	3 382,6	1 994,0
H17	2 604,9	3 337,1	1 968,0
H18	2 670,8	3 341,7	1 988,0
H19	2 733,5	3 306,2	1 997,8
H20	2 653,8	3 291,2	1 963,8
H21	2 343,1	3 323,4	1 878,4
H22	2 539,3	3 202,3	1 842,6
H23	2 638,3	3 082,4	1 839,2
H24	2 692,2	3 026,1	1 871,2
Σ	65 701,8	75 839,0	47 099,2

Base	
MIN (offer)	2 343,1
MAX (offer)	3 199,8
MIN (bid)	2 777,8
MAX (bid)	3 471,4
Average (offer)	2 737,6
Average (bid)	3 160,0

Peak	
MIN (offer)	2 503,7
MAX (offer)	2 733,5
MIN (bid)	3 185,0
MAX (bid)	3 471,4
Average (offer)	2 604,2
Average (bid)	3 347,4

Aggregated OFFERS/BIDS 01/08/2016-31/08/2016

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

Hour	Offers	Bids	Index volumes
H1	83 780,6	88 693,5	56 154,1
H2	92 750,4	87 592,3	59 966,2
H3	97 867,8	90 061,0	64 939,6
H4	99 155,7	89 850,0	65 459,2
H5	97 559,7	87 777,2	63 713,0
H6	99 192,3	86 111,6	61 915,3
H7	93 338,6	88 205,5	59 174,9
H8	87 764,1	95 824,2	60 845,3
H9	83 749,6	98 733,6	60 730,1
H10	81 024,0	101 894,3	60 719,6
H11	80 738,1	103 689,4	61 433,0
H12	78 139,0	105 981,5	61 402,7
H13	77 615,4	107 613,6	62 615,4
H14	77 826,2	105 837,0	61 735,3
H15	79 178,9	105 055,4	61 644,5
H16	79 919,3	104 862,0	61 812,5
H17	80 750,9	103 449,5	61 006,7
H18	82 795,3	103 594,2	61 628,7
H19	84 737,8	102 492,2	61 930,4
H20	82 269,3	102 028,3	60 879,3
H21	72 636,0	103 025,9	58 229,4
H22	78 719,3	99 271,4	57 119,7
H23	81 788,0	95 554,3	57 014,3
H24	83 458,6	93 810,3	58 007,4
Σ	2 036 754,9	2 351 008,2	1 460 076,6

Base	
MIN (offer)	72 636,0
MAX (offer)	99 192,3
MIN (bid)	86 111,6
MAX (bid)	107 613,6
Average (offer)	84 864,8
Average (bid)	97 958,7

Peak	
MIN (offer)	77 615,4
MAX (offer)	84 737,8
MIN (bid)	98 733,6
MAX (bid)	107 613,6
Average (offer)	80 728,7
Average (bid)	103 769,3