

Monthly Report May 2017

In May the total traded volume decreased by 4% to 1 515 951,1 MWh compared to 1 579 041,8 MWh in April. The average daily traded volume was 48 901,6 MWh. The highest daily traded volume was 59 032,5 MWh on 2.5.2017. 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

New members

- RIGHT POWER, a.s.

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 Acelmuevek Kft.
- Petrol d.d., Ljubljana
- 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	4/2017	5/2017	Change	
HUPX Base Average Price (EUR/MWh)*	39,67	42,71	3,04	7,65%
HUPX Peak Average Price (EUR/MWh)*	42,05	46,51	4,46	10,61%
HUPX Base Trimmed Mean Price (EUR/MWh)**	40,10	43,33	3,23	8,05%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	42,40	47,28	4,88	11,51%
OTC Base Trimmed Mean Price (EUR/MWh)**	39,39	43,04	3,65	9,28%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	-0,74	0,06	0,80	-107,88%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	69,32	70,59	1,27	1,83%
Lowest Traded Price (EUR/MWh)	7,40	0,13	-7,27	-98,24%

Total Turnover (EUR)	63 502 713	65 015 373	1 512 661	2,38%
Average Daily Turnover (EUR)	2 116 757	2 097 270	-19 487	-0,92%
Max. Daily Turnover (EUR)	3 390 517	3 184 113	-206 404	-6,09%
Min. Daily Turnover (EUR)	993 009	931 950	-61 058	-6,15%

Description	4/2017	5/2017	Change	
Total Volume (MWh)	1 579 041,8	1 515 951,1	-63 090,7	-4,00%
Average Daily Traded Volume (MWh)	52 634,7	48 901,6	-3 733,1	-7,09%
Highest Daily Traded Volume (MWh)	70 908,5	59 032,5	-11 876,0	-16,75%
Lowest Daily Traded Volume(MWh)	42 939,1	42 622,3	-316,8	-0,74%
Highest Hourly Traded Volume (MWh)	3 404,6	2 979,5	-425,1	-12,49%
Lowest Hourly Traded Volume(MWh)	1 284,1	1 484,5	200,4	15,61%
Average Hourly Traded Volume (MWh)	2 193,1	2 037,6	-155,5	-7,09%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	53 691,1	49 676,6	-4 014,5	-7,48%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	50 521,9	46 673,5	-3 848,4	-7,62%

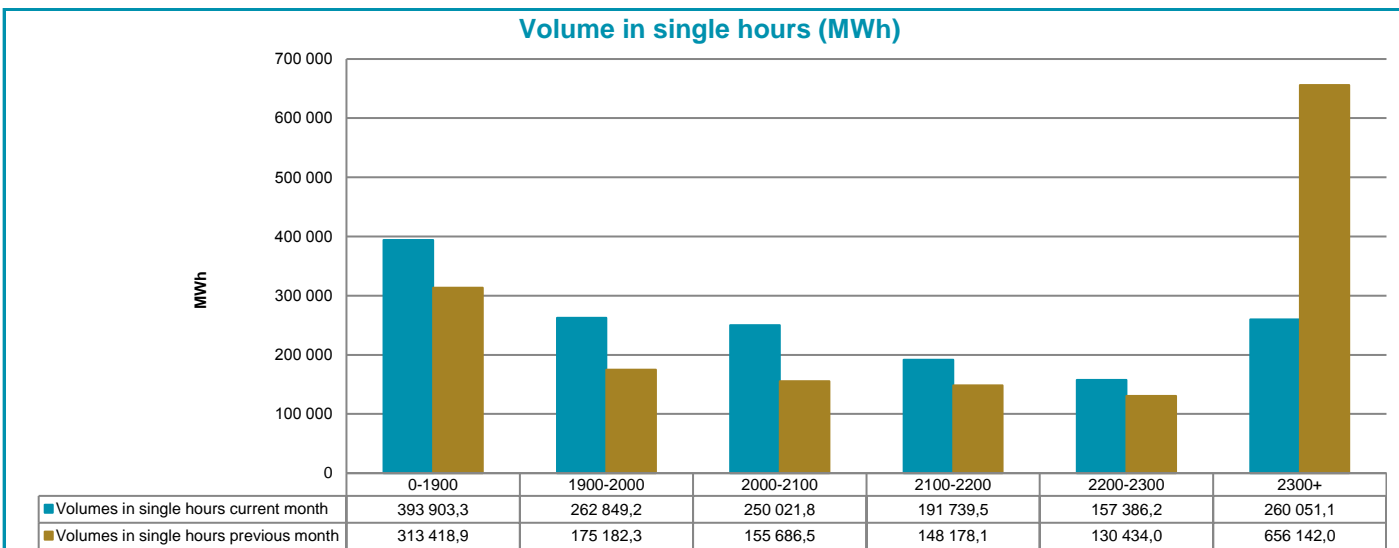
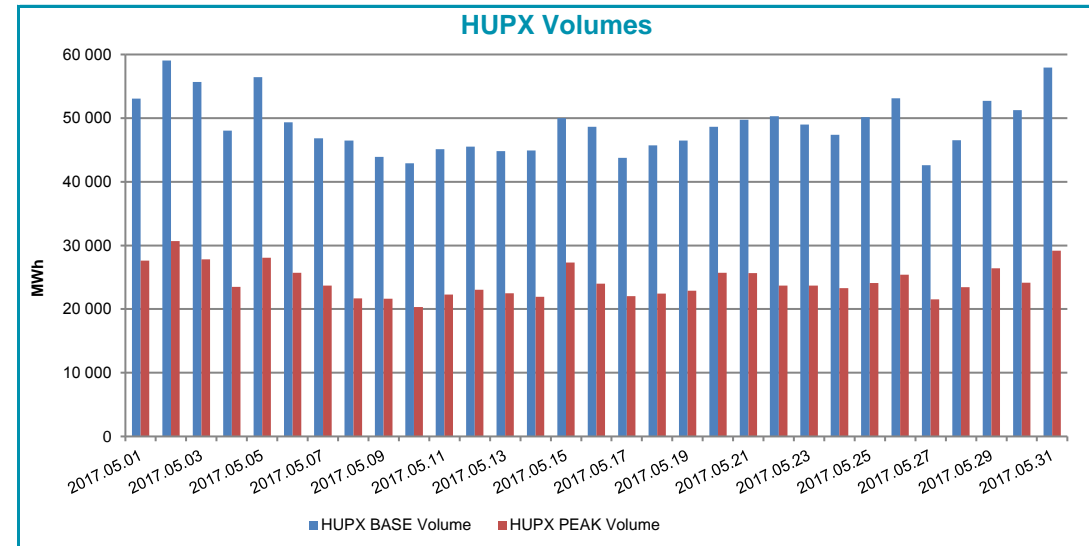
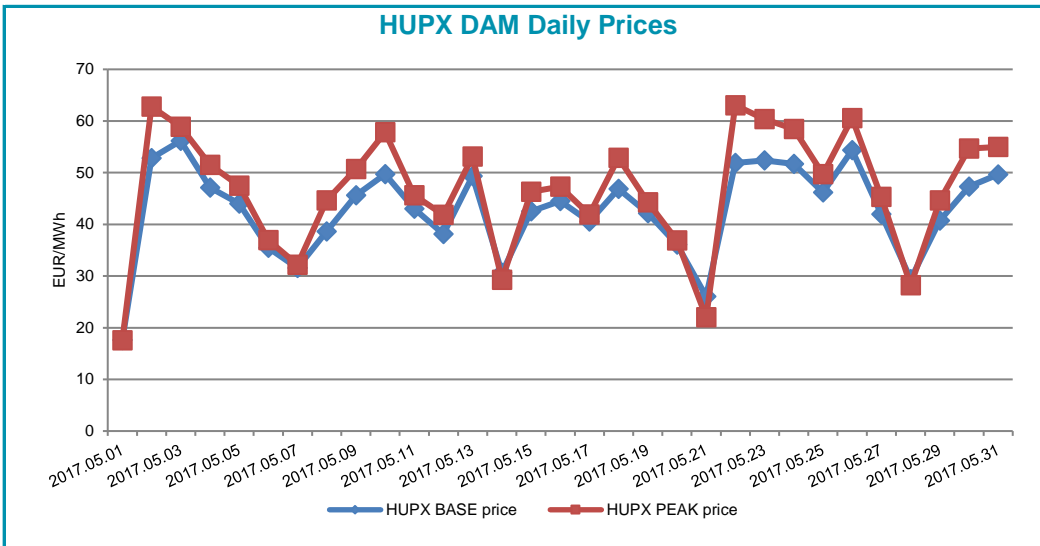
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	27 477,1	24 579,9	-2 897,2	-10,54%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 337,7	23 773,6	-2 564,1	-9,74%

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.

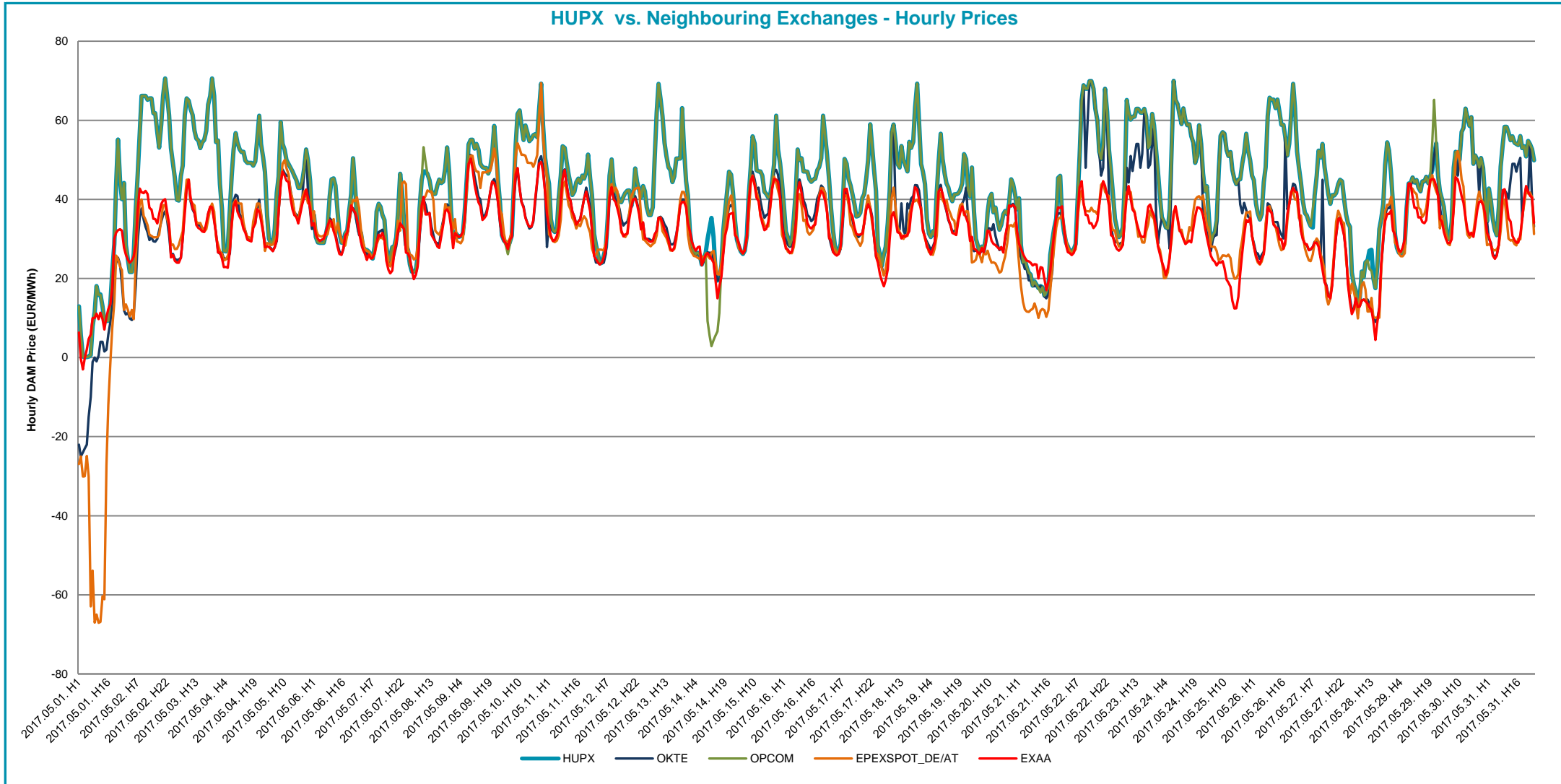
Prices and volumes



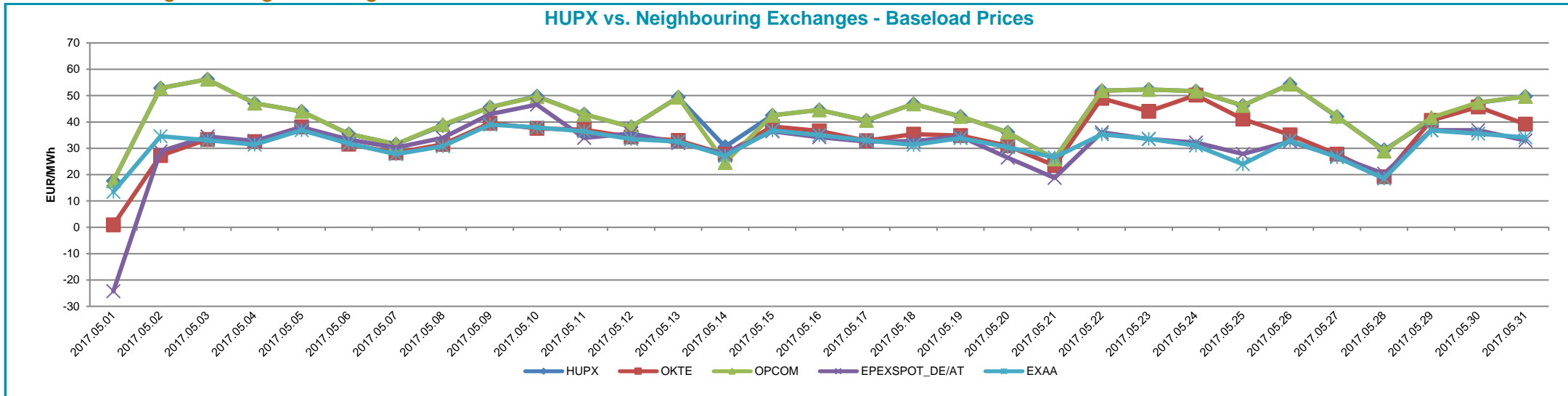
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/05/2017-31/05/2017). 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 2300+ MWh decreased, while the ratio increased regarding the 0-1900 MWh, 1900-2000 MWh, 2000-2100 MWh, 2100-2200 MWh and 2200-2300 MWh.

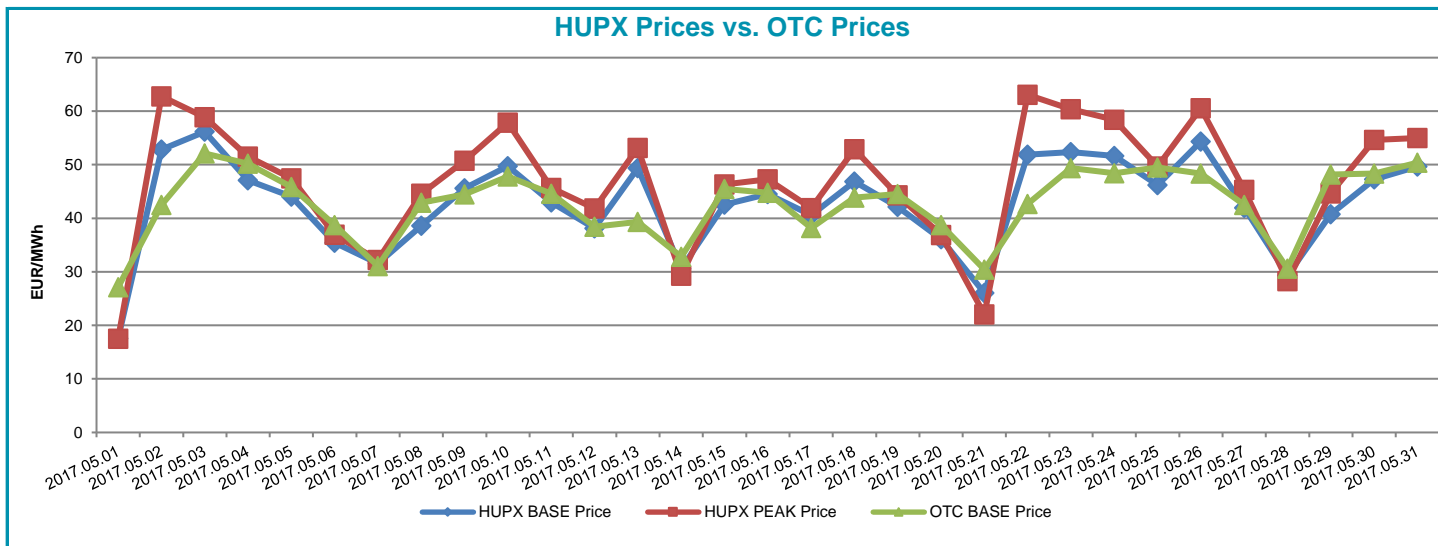
HUPX vs. Neighbouring Exchanges - Hourly Prices



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 01/05/2017-31/05/2017

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	2 569,6	3 449,8	1 922,2
H2	2 842,3	3 365,2	2 064,7
H3	2 880,9	3 229,4	2 037,4
H4	2 902,1	3 206,9	2 043,3
H5	2 864,1	3 192,5	2 018,7
H6	2 750,7	3 249,3	1 938,8
H7	2 685,9	3 640,7	2 089,7
H8	2 618,9	3 923,5	2 202,4
H9	2 305,8	3 907,1	1 971,1
H10	2 297,5	3 955,7	1 986,2
H11	2 335,6	3 977,8	2 020,8
H12	2 355,3	3 983,2	2 040,3
H13	2 343,0	4 076,8	2 068,9
H14	2 356,1	3 983,5	2 038,1
H15	2 404,0	3 958,7	2 050,2
H16	2 435,8	3 944,6	2 060,4
H17	2 438,7	3 958,1	2 075,5
H18	2 372,0	3 886,0	1 999,0
H19	2 423,1	3 938,2	2 032,7
H20	2 390,5	3 940,1	2 028,7
H21	2 420,5	4 044,0	2 144,4
H22	2 418,9	3 908,7	2 042,8
H23	2 543,6	3 811,2	2 055,4
H24	2 739,3	3 653,6	1 970,1
Σ	60 694,3	90 184,6	48 901,6

Base	
MIN (offer)	2 297,5
MAX (offer)	2 902,1
MIN (bid)	3 192,5
MAX (bid)	4 076,8
Average (offer)	2 528,9
Average (bid)	3 757,7

Peak	
MIN (offer)	2 297,5
MAX (offer)	2 438,7
MIN (bid)	3 886,0
MAX (bid)	4 076,8
Average (offer)	2 371,5
Average (bid)	3 959,2

Aggregated OFFERS/BIDS 01/05/2017-31/05/2017

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

Hour	Offers	Bids	Index volumes
H1	79 658,8	106 943,0	59 587,4
H2	88 112,0	104 322,0	64 005,4
H3	89 309,0	100 110,0	63 159,3
H4	89 964,0	99 415,3	63 342,5
H5	88 787,4	98 966,4	62 580,2
H6	85 270,4	100 727,2	60 102,8
H7	83 262,2	112 860,9	64 781,6
H8	81 187,1	121 629,6	68 273,7
H9	71 480,0	121 119,3	61 104,0
H10	71 223,2	122 627,2	61 572,5
H11	72 404,0	123 313,0	62 645,3
H12	73 013,1	123 478,3	63 249,3
H13	72 633,4	126 381,3	64 134,6
H14	73 038,0	123 489,6	63 182,3
H15	74 524,4	122 720,1	63 555,3
H16	75 509,1	122 283,5	63 872,3
H17	75 599,6	122 700,2	64 339,6
H18	73 532,9	120 467,1	61 968,6
H19	75 116,4	122 083,4	63 013,0
H20	74 105,5	122 141,8	62 888,5
H21	75 035,6	125 365,2	66 475,2
H22	74 986,7	121 169,3	63 325,3
H23	78 851,7	118 146,3	63 717,9
H24	84 919,5	113 261,1	61 074,5
Σ	1 881 524,0	2 795 721,1	1 515 951,1

Base	
MIN (offer)	71 223,2
MAX (offer)	89 964,0
MIN (bid)	98 966,4
MAX (bid)	126 381,3
Average (offer)	78 396,8
Average (bid)	116 488,4

Peak	
MIN (offer)	71 223,2
MAX (offer)	75 599,6
MIN (bid)	120 467,1
MAX (bid)	126 381,3
Average (offer)	73 515,0
Average (bid)	122 733,7