

Monthly Report February 2017

In February the total traded volume decreased by 9,89% to 1 556 740,1 MWh compared to 1 727 687,1 MWh in January. The average daily traded volume was 55 597,9 MWh. The highest daily traded volume was 62 290,0 MWh on 7.2.2017. 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

- ENERGIEALLIANZ Austria 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 Global Commodities
- E.ON Energiakereskedelmi Kft.
- 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.
- 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.
- JWM Energia Sp. Z.o.o.
- KDF Energy SRL
- 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 Trading GmbH
- 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	1/2017	2/2017	Change	
HUPX Base Average Price (EUR/MWh)*	81,25	55,59	-25,66	-31,59%
HUPX Peak Average Price (EUR/MWh)*	101,83	65,90	-35,94	-35,29%
HUPX Base Trimmed Mean Price (EUR/MWh)**	80,20	53,02	-27,17	-33,88%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	99,66	62,04	-37,62	-37,75%
OTC Base Trimmed Mean Price (EUR/MWh)**	82,40	53,59	-28,80	-34,96%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	1,76	0,57	-1,19	-67,71%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	300,10	151,09	-149,01	-49,65%
Lowest Traded Price (EUR/MWh)	14,52	8,01	-6,51	-44,83%

Total Turnover (EUR)	139 301 897	85 968 480	-53 333 417	-38,29%
Average Daily Turnover (EUR)	4 493 610	3 070 303	-1 423 307	-31,67%
Max. Daily Turnover (EUR)	7 774 781	5 832 781	-1 942 000	-24,98%
Min. Daily Turnover (EUR)	2 304 234	1 818 779	-485 455	-21,07%

Description	1/2017	2/2017	Change	
Total Volume (MWh)	1 727 687,1	1 556 740,1	-170 947,0	-9,89%
Average Daily Traded Volume (MWh)	55 731,8	55 597,9	-134,0	-0,24%
Highest Daily Traded Volume (MWh)	61 386,6	62 290,0	903,4	1,47%
Lowest Daily Traded Volume(MWh)	47 733,8	50 133,9	2 400,1	5,03%
Highest Hourly Traded Volume (MWh)	3 002,3	3 027,4	25,1	0,84%
Lowest Hourly Traded Volume(MWh)	1 564,3	1 689,3	125,0	7,99%
Average Hourly Traded Volume (MWh)	2 322,2	2 316,6	-5,6	-0,24%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	55 214,4	55 634,9	420,5	0,76%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	56 996,8	55 505,3	-1 491,5	-2,62%

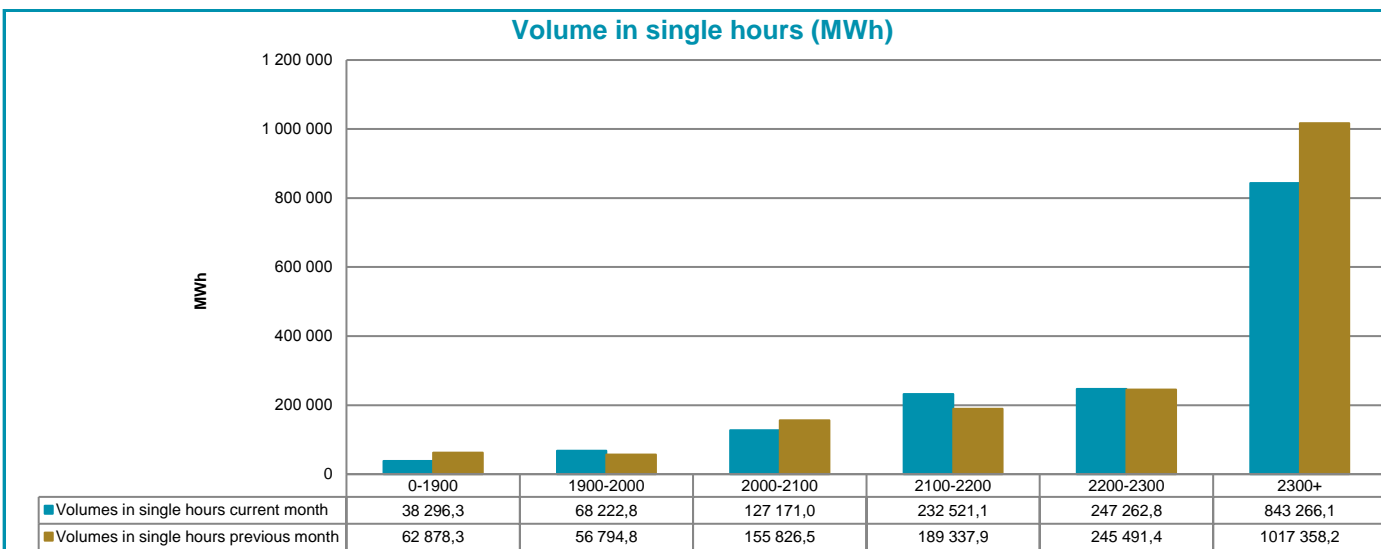
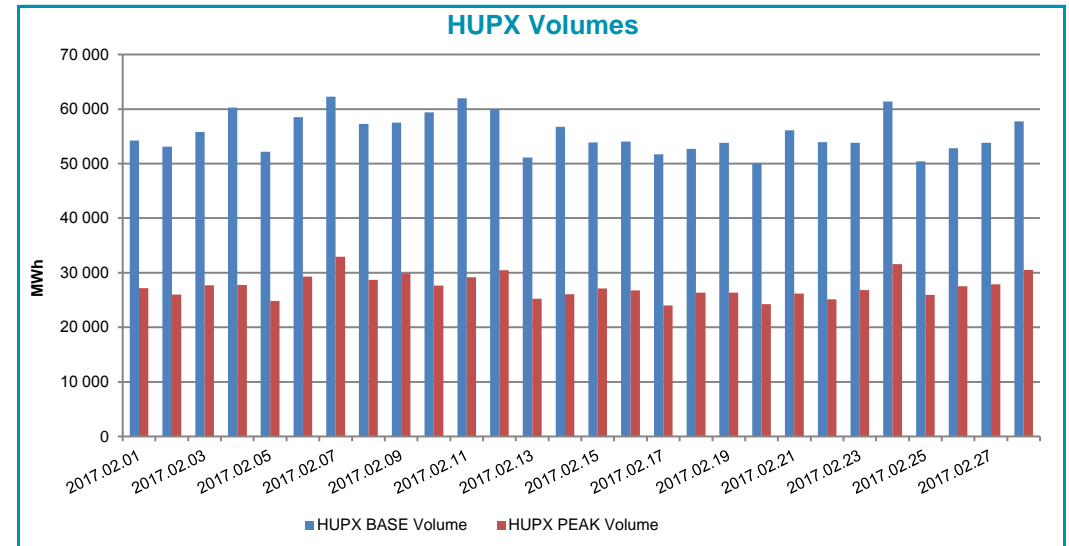
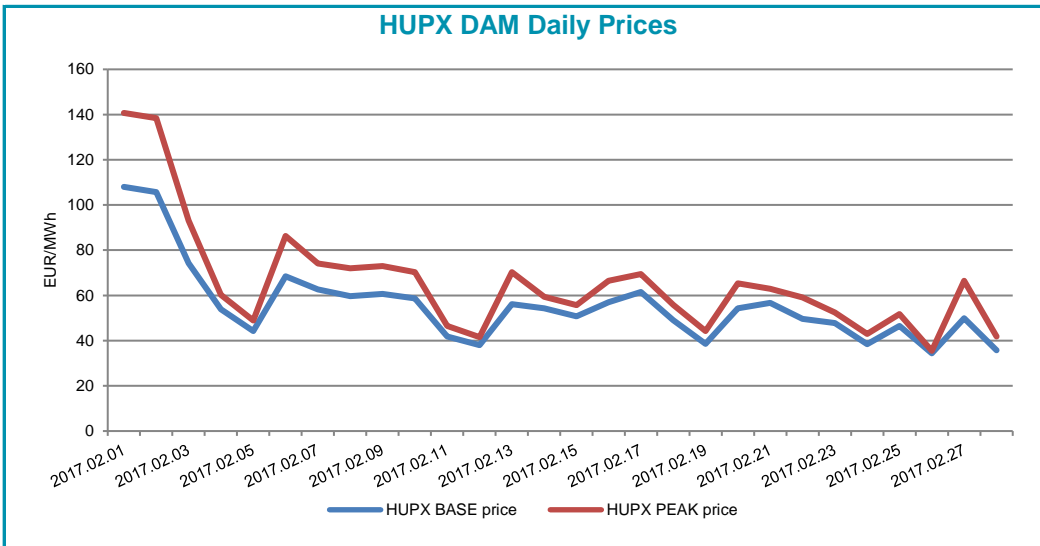
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	26 625,9	27 547,0	921,1	3,46%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	29 536,1	27 306,0	-2 230,1	-7,55%

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.

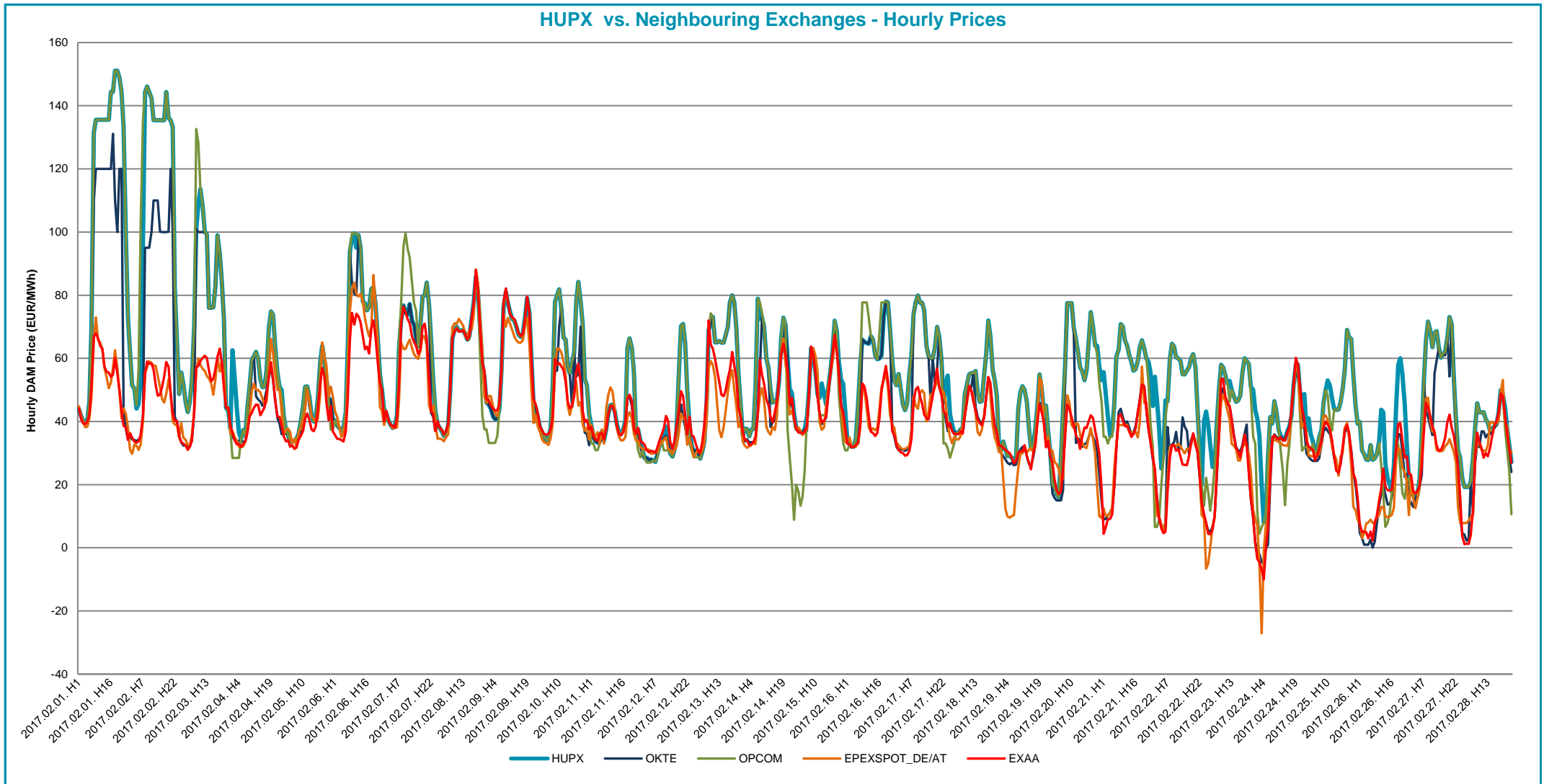
Prices and volumes



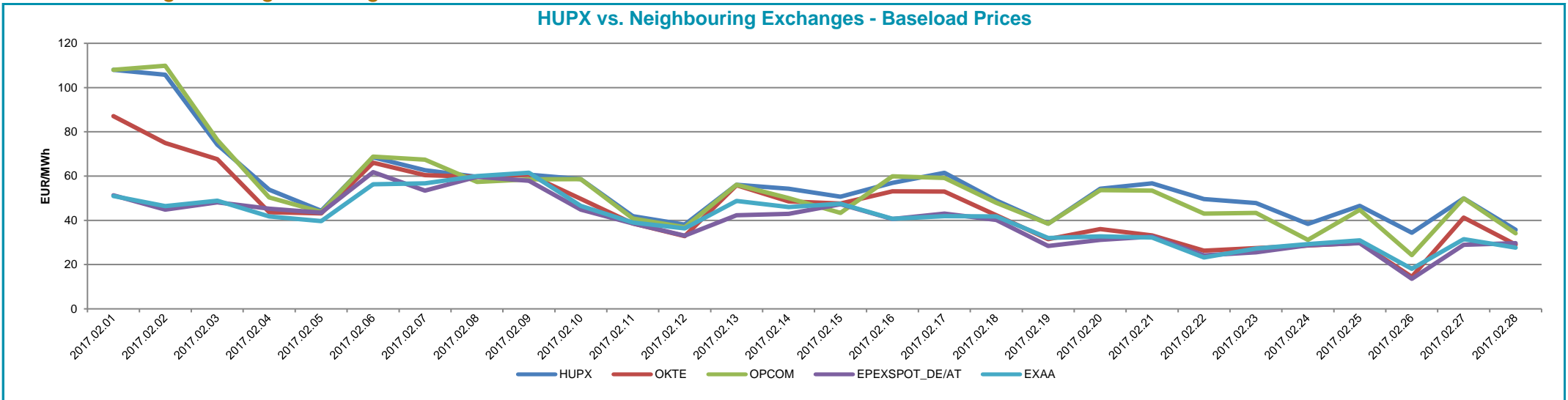
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/02/2017-28/02/2017). 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, 2000-2100 MWh and 2300+ MWh decreased, while the ratio increased regarding the 1900-2000 MWh, 2100-2200 MWh and 2200-2300 MWh.

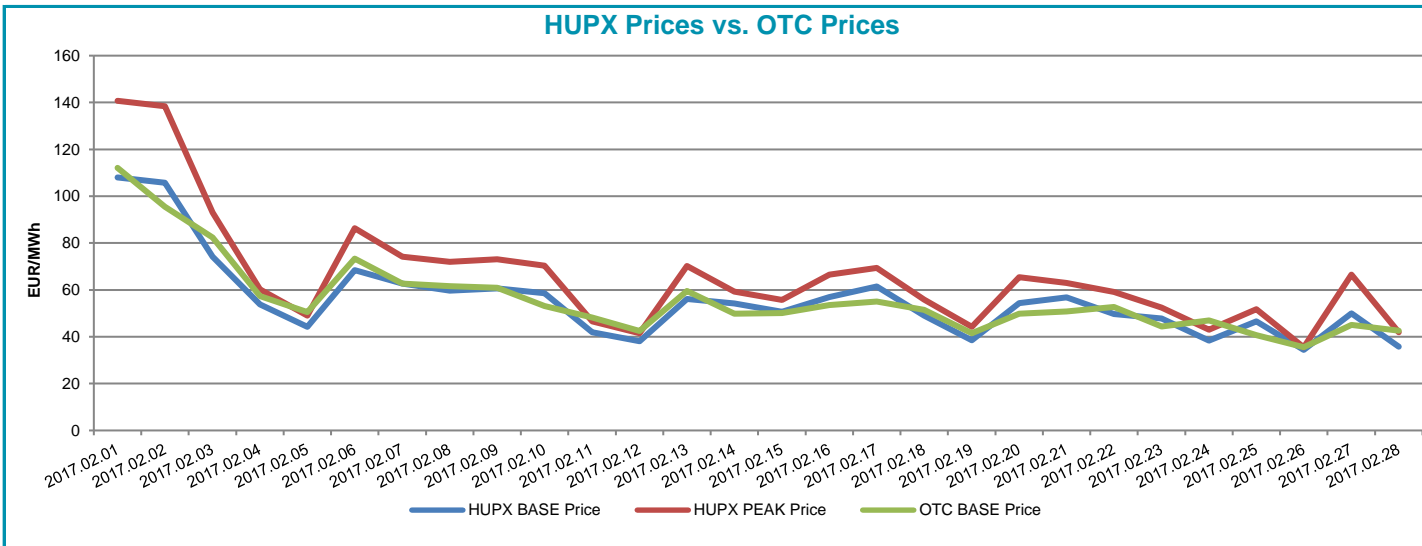
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	0,57
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/02/2017-28/02/2017

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	3 043,8	3 625,4	2 438,2
H2	3 038,3	3 511,2	2 381,6
H3	3 082,2	3 430,6	2 371,7
H4	3 135,9	3 391,8	2 399,8
H5	3 089,4	3 429,5	2 373,1
H6	2 903,9	3 498,1	2 231,5
H7	2 875,4	3 575,9	2 230,1
H8	2 929,0	3 520,1	2 236,6
H9	3 007,9	3 635,7	2 236,9
H10	3 004,4	3 714,8	2 257,0
H11	3 053,9	3 758,8	2 291,4
H12	3 037,5	3 792,1	2 296,2
H13	2 997,9	3 821,9	2 301,0
H14	3 071,9	3 706,5	2 318,4
H15	3 100,1	3 656,7	2 313,7
H16	3 051,0	3 628,2	2 275,7
H17	3 033,2	3 661,7	2 289,4
H18	3 002,9	3 803,1	2 314,8
H19	2 947,7	3 775,6	2 279,8
H20	3 025,8	3 772,7	2 303,7
H21	3 055,1	3 751,0	2 357,6
H22	2 939,5	3 702,6	2 338,1
H23	3 015,3	3 660,5	2 367,3
H24	3 215,7	3 603,0	2 394,1
Σ	72 657,5	87 427,5	55 597,9

Base	
MIN (offer)	2 875,4
MAX (offer)	3 215,7
MIN (bid)	3 391,8
MAX (bid)	3 821,9
Average (offer)	3 027,4
Average (bid)	3 642,8

Peak	
MIN (offer)	2 947,7
MAX (offer)	3 100,1
MIN (bid)	3 628,2
MAX (bid)	3 821,9
Average (offer)	3 027,8
Average (bid)	3 727,3

Aggregated OFFERS/BIDS 01/02/2017-28/02/2017

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

Hour	Offers	Bids	Index volumes
H1	85 227,7	101 511,8	68 270,2
H2	85 071,1	98 314,3	66 684,9
H3	86 300,9	96 057,0	66 406,8
H4	87 805,2	94 971,6	67 193,1
H5	86 503,4	96 026,3	66 445,7
H6	81 310,1	97 945,8	62 481,8
H7	80 509,9	100 125,0	62 444,0
H8	82 011,3	98 563,2	62 624,8
H9	84 222,2	101 799,1	62 634,5
H10	84 122,7	104 013,1	63 195,8
H11	85 508,1	105 246,1	64 160,5
H12	85 049,6	106 177,9	64 292,7
H13	83 940,3	107 014,5	64 429,2
H14	86 012,0	103 780,7	64 916,5
H15	86 801,9	102 388,6	64 784,1
H16	85 429,0	101 588,4	63 718,2
H17	84 929,4	102 527,8	64 102,9
H18	84 081,7	106 487,3	64 814,5
H19	82 535,0	105 717,4	63 835,3
H20	84 721,4	105 636,2	64 504,7
H21	85 543,4	105 029,3	66 011,9
H22	82 306,0	103 671,8	65 467,7
H23	84 428,8	102 493,5	66 285,4
H24	90 039,9	100 884,6	67 034,9
Σ	2 034 411,0	2 447 971,3	1 556 740,1

Base	
MIN (offer)	80 509,9
MAX (offer)	90 039,9
MIN (bid)	94 971,6
MAX (bid)	107 014,5
Average (offer)	84 767,1
Average (bid)	101 998,8

Peak	
MIN (offer)	82 535,0
MAX (offer)	86 801,9
MIN (bid)	101 588,4
MAX (bid)	107 014,5
Average (offer)	84 779,4
Average (bid)	104 364,8