

Monthly Report June 2016

In June the total traded volume increased by 3,66% to 1 460 055,8 MWh compared to 1 408 505,6 MWh in May. The average daily traded volume was 48 668,5 MWh. The highest daily traded volume was 59 978,9 MWh on 15.06.2016 delivery day. This is a record daily traded volume since the launch of HUPX DAM market. The number of admitted members was 58 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 električne 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

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.
- MET Power Hungary Kft.
- 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	5/2016	6/2016	Change	
HUPX Base Average Price (EUR/MWh)*	27,16	32,75	5,59	20,59%
HUPX Peak Average Price (EUR/MWh)*	29,22	37,45	8,23	28,16%
HUPX Base Trimmed Mean Price (EUR/MWh)**	27,94	32,93	4,99	17,85%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	30,14	37,34	7,21	23,92%
OTC Base Trimmed Mean Price (EUR/MWh)**	28,23	32,82	4,59	16,26%
OTC Peak Trimmed Mean Price (EUR/MWh)**	N/A	N/A	N/A	N/A
Trimmed Diff. BL. HUPX↔OTC	0,57	-0,02	-0,60	-104,21%
Trimmed Diff. PL. HUPX↔OTC	N/A	N/A	N/A	N/A

Highest Traded Price (EUR/MWh)	55,16	87,00	31,84	57,72%
Lowest Traded Price (EUR/MWh)	-6,07	13,23	19,30	-317,96%

Total Turnover (EUR)	38 443 924	48 213 028	9 769 104	25,41%
Average Daily Turnover (EUR)	1 240 127	1 607 101	366 974	29,59%
Max. Daily Turnover (EUR)	1 774 365	2 156 705	382 340	21,55%
Min. Daily Turnover (EUR)	331 198	812 959	481 761	145,46%

Description	5/2016	6/2016	Change	
Total Volume (MWh)	1 408 505,6	1 460 055,8	51 550,2	3,66%
Average Daily Traded Volume (MWh)	45 435,7	48 668,5	3 232,9	7,12%
Highest Daily Traded Volume (MWh)	51 376,5	59 978,9	8 602,4	16,74%
Lowest Daily Traded Volume(MWh)	39 293,0	39 477,1	184,1	0,47%
Highest Hourly Traded Volume (MWh)	2 880,7	2 843,7	-37,0	-1,28%
Lowest Hourly Traded Volume(MWh)	1 276,3	1 398,3	122,0	9,56%
Average Hourly Traded Volume (MWh)	1 893,2	2 027,9	134,7	7,12%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	46 920,1	50 556,6	3 636,6	7,75%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	41 807,2	43 476,3	1 669,1	3,99%

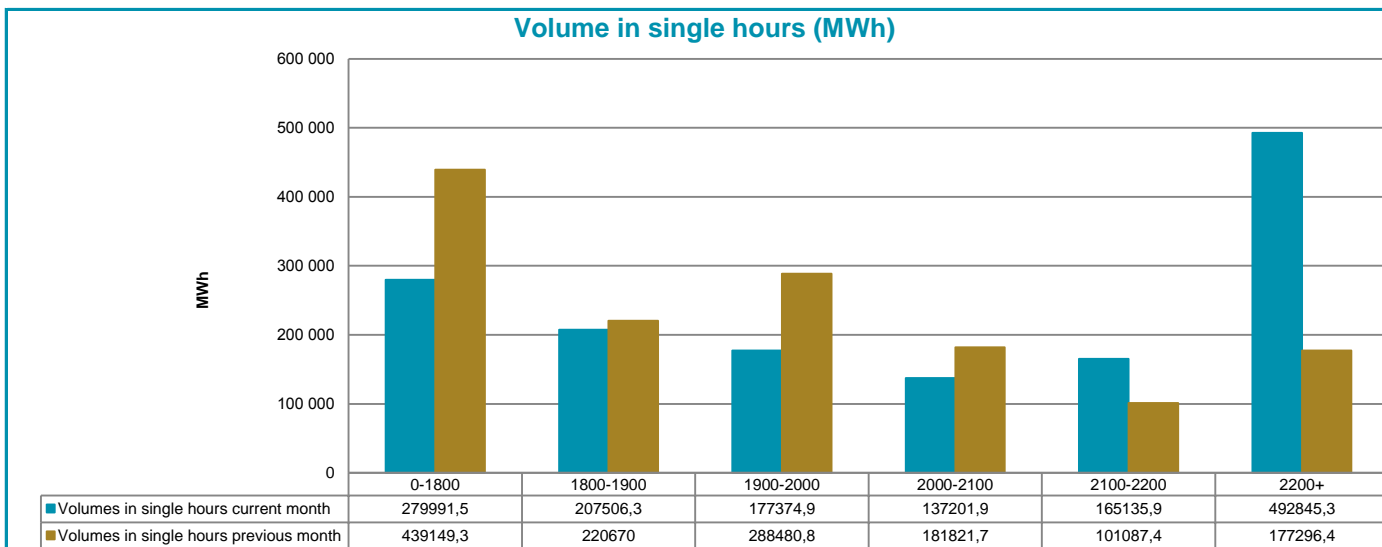
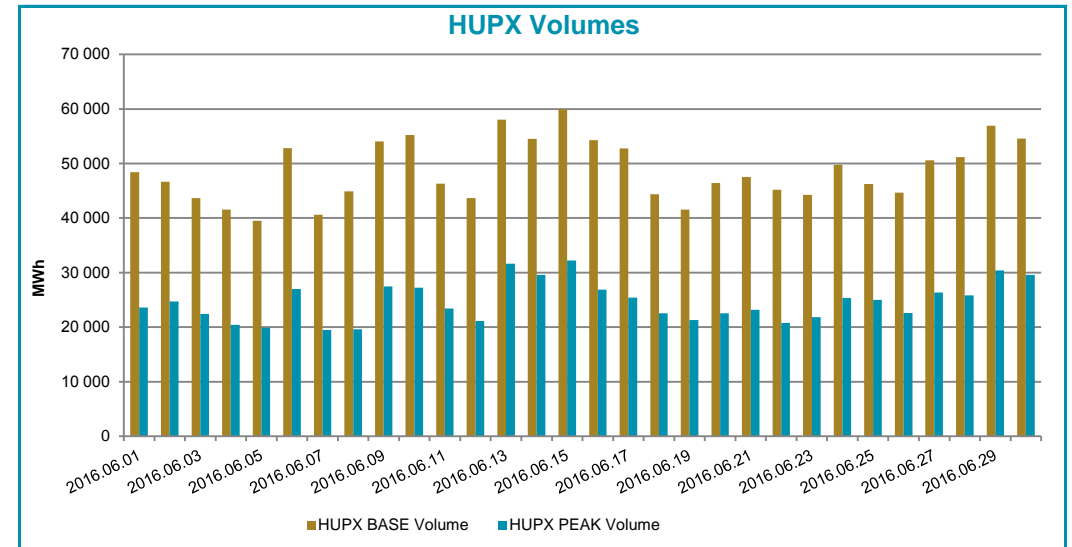
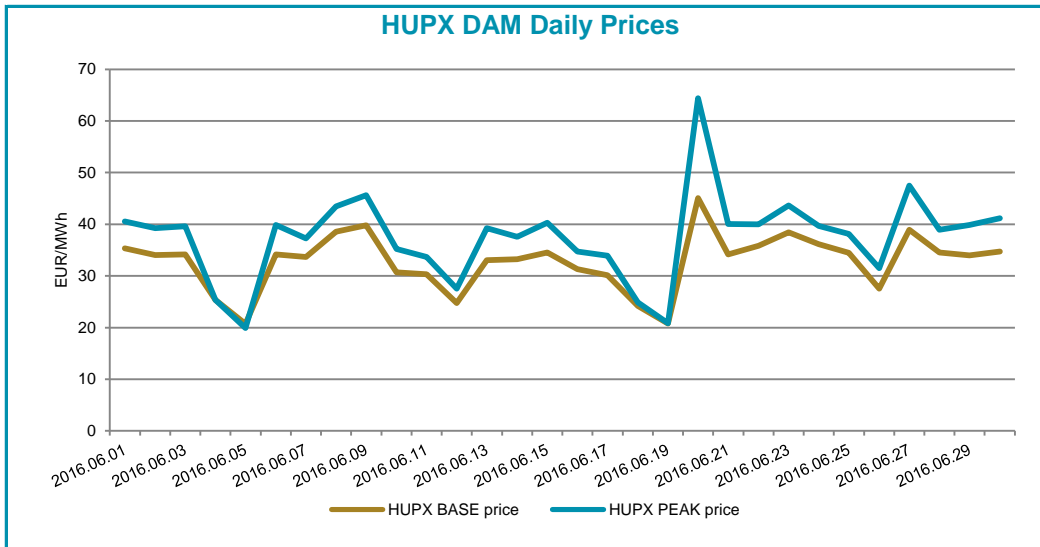
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	22 771,2	25 597,3	2 826,1	12,41%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	20 028,1	22 041,4	2 013,3	10,05%

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.

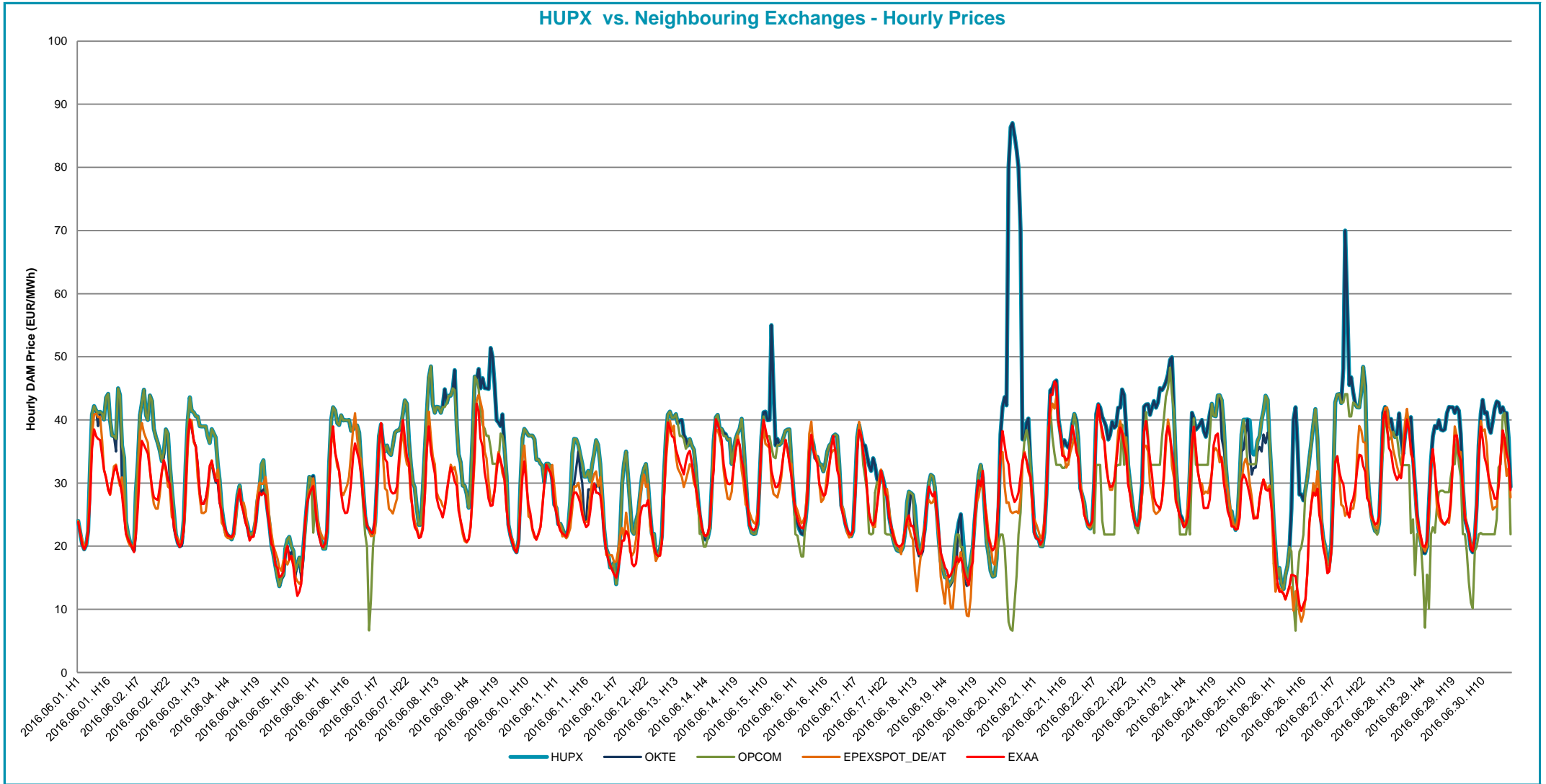
Prices and volumes



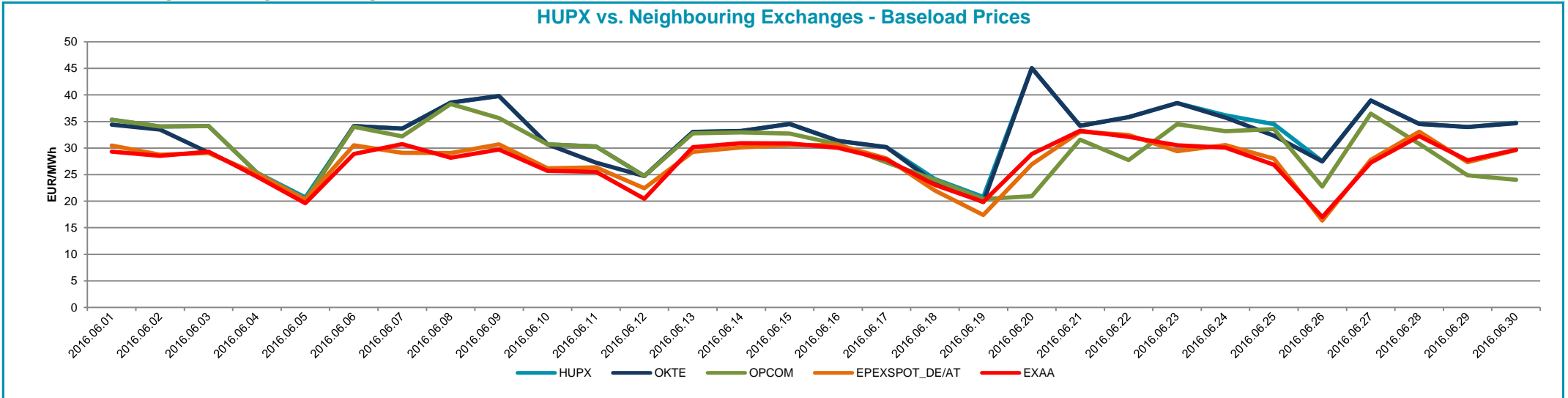
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/06/2016-30/06/2016). 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 0-1800 MWh, 1800-1900 MWh, 1900-2000 MWh and 2000-2100 MWh decreased, while the ratio increased regarding the 2100-2200 MWh and 2200+ MWh.

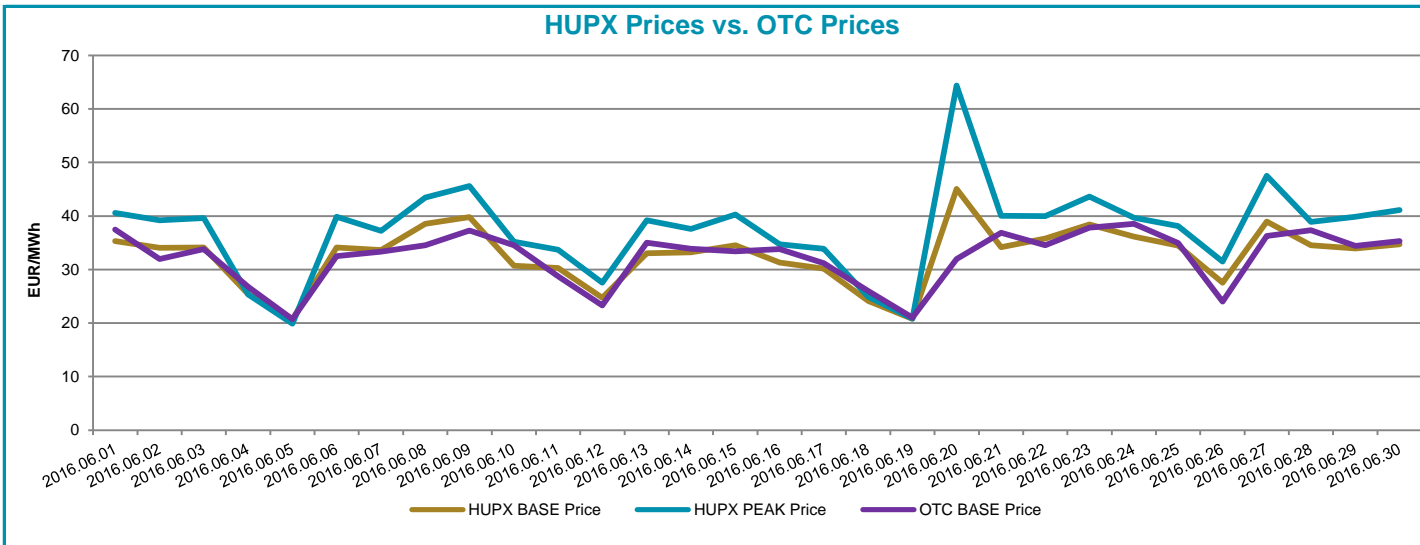
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-0,02
Trimmed Diff. PL.	HUPX↔OTC	N/A

Average of aggregated OFFERS/BIDS 01/06/2016-30/06/2016

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	2 625,3	2 988,4	1 839,1
H2	2 804,6	3 102,4	1 941,5
H3	3 006,9	3 108,0	2 086,4
H4	3 039,3	3 085,1	2 093,0
H5	3 141,5	3 066,8	2 145,9
H6	3 067,2	3 071,0	2 107,7
H7	2 670,0	3 058,4	1 910,5
H8	2 572,9	3 271,8	1 994,8
H9	2 594,7	3 329,8	2 011,9
H10	2 547,2	3 410,1	2 053,1
H11	2 593,6	3 418,1	2 071,5
H12	2 561,9	3 460,0	2 091,8
H13	2 524,8	3 532,1	2 130,1
H14	2 502,4	3 458,0	2 077,4
H15	2 541,4	3 401,5	2 030,0
H16	2 524,2	3 423,6	2 046,0
H17	2 550,1	3 388,9	2 038,9
H18	2 554,9	3 352,6	2 023,7
H19	2 585,0	3 344,1	2 021,1
H20	2 608,5	3 377,0	2 053,5
H21	2 568,2	3 370,9	2 055,1
H22	2 490,1	3 312,1	1 979,7
H23	2 565,4	3 186,5	1 956,7
H24	2 624,9	3 088,3	1 909,1
Σ	63 865,0	78 605,3	48 668,5

Base	
MIN (offer)	2 490,1
MAX (offer)	3 141,5
MIN (bid)	2 988,4
MAX (bid)	3 532,1
Average (offer)	2 661,0
Average (bid)	3 275,2

Peak	
MIN (offer)	2 502,4
MAX (offer)	2 608,5
MIN (bid)	3 329,8
MAX (bid)	3 532,1
Average (offer)	2 557,4
Average (bid)	3 408,0

Aggregated OFFERS/BIDS 01/06/2016-30/06/2016

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

Hour	Offers	Bids	Index volumes
H1	78 760,4	89 651,1	55 171,5
H2	84 137,9	93 070,6	58 245,0
H3	90 205,6	93 239,8	62 592,7
H4	91 179,6	92 552,6	62 789,6
H5	94 246,3	92 004,8	64 375,6
H6	92 016,3	92 130,3	63 231,8
H7	80 098,7	91 752,2	57 314,8
H8	77 188,2	98 152,7	59 844,4
H9	77 840,7	99 893,3	60 357,1
H10	76 414,5	102 303,3	61 591,6
H11	77 808,9	102 543,5	62 145,6
H12	76 857,1	103 798,6	62 754,9
H13	75 743,1	105 962,7	63 903,5
H14	75 072,2	103 741,0	62 321,3
H15	76 242,9	102 044,1	60 901,3
H16	75 726,1	102 707,3	61 379,3
H17	76 502,6	101 666,4	61 166,2
H18	76 645,7	100 576,7	60 711,8
H19	77 551,2	100 323,5	60 632,9
H20	78 254,6	101 309,0	61 605,9
H21	77 046,7	101 126,9	61 654,1
H22	74 703,8	99 362,0	59 390,4
H23	76 960,5	95 596,2	58 701,2
H24	78 746,1	92 649,9	57 273,3
Σ	1 915 949,7	2 358 158,5	1 460 055,8

Base	
MIN (offer)	74 703,8
MAX (offer)	94 246,3
MIN (bid)	89 651,1
MAX (bid)	105 962,7
Average (offer)	79 831,2
Average (bid)	98 256,6

Peak	
MIN (offer)	75 072,2
MAX (offer)	78 254,6
MIN (bid)	99 893,3
MAX (bid)	105 962,7
Average (offer)	76 721,6
Average (bid)	102 239,1