

Annual Report 2019

In 2019 the total traded volume increased by 11,73% to 22 243 437,4 MWh compared to 19 908 782,4 MWh in 2018. The average daily traded volume was 60 942,0 MWh. The highest daily traded volume was 77 811,2 MWh on 27.2.2019 delivery day which is a record daily traded volume since the launch of HUPX DAM market. The number of admitted members was 59 in the examined year.

List of the Members

Founder members

- ALPIQ ENERGY SE
- CEZ, a.s.
- Danske Commodities A/S
- ELMŰ-ÉMÁSZ Energiakereskedő Kft.
- 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

- Energy Financing Team (Switzerland) AG, organizational unit
- Ezpada AG - organizacna zlozka zahranicnej osoby
- Greek Environmental & Energy Network Societe Anonyme
- MFT Energy A/S
- MOL Magyar Olaj- és Gázipari Nyrt.
- Watt and Volt S.A.

Admitted members

- AXPO Solutions AG
- AYEN ENERGIJA d.o.o.
- BC-Energiakereskedo Kft.
- Budapesti Eromu Zrt.
- Centrica Energy Trading A/S
- CHP-EROMU Kft.
- Citigroup Global Markets Limited
- E.ON Energiakereskedelmi Kft.
- EDF Trading Limited
- EDS International SK
- Ekologicke Zdroje Energie s.r.o.
- Enel Global Trading S.p.A.
- Energi Danmark A/S
- ENERGIEALLIANZ Austria GmbH
- Energo-pro Trading JSC
- Energy Supply EOOD
- EP Commodities, a.s.
- 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.
- LE Trading a.s.
- MAVIR ZRt.
- MET Austria Energy Trade GmbH
- Monsson Trading S.R.L.
- OAM Ozdi Acelmuevek Kft.
- OMV Gas Marketing & Trading GmbH
- Petrol d.d., Ljubljana
- RWE Supply & Trading GmbH
- SINERGY Energiakereskedő Kft.
- Slovenske elektrarne, a.s.
- TINMAR ENERGY SA
- Trailstone GmbH
- Vattenfall Energy Trading GmbH
- VERBUND Trading GmbH
- Vitol Gas & Power B.V.

HUPX Day-Ahead Market

Description	2018	2019	Change	
HUPX Base Average Price (EUR/MWh)*	51,00	50,36	-0,64	-1,26%
HUPX Peak Average Price (EUR/MWh)*	57,36	57,01	-0,35	-0,61%
HUPX Base Trimmed Mean Price (EUR/MWh)**	51,05	50,23	-0,82	-1,60%
HUPX Peak Trimmed Mean Price (EUR/MWh)**	57,39	56,83	-0,56	-0,98%
OTC Base Trimmed Mean Price (EUR/MWh)**	51,37	49,72	-1,64	-3,20%
OTC Peak Trimmed Mean Price (EUR/MWh)**				
Trimmed Diff. BL. HUPX↔OTC	0,36	-1,34	-1,70	-469,64%
Trimmed Diff. PL. HUPX↔OTC				

Highest Traded Price (EUR/MWh)	124,95	138,82	13,87	11,10%
Lowest Traded Price (EUR/MWh)	-25,97	0,00	25,97	-100,00%

Total Turnover (EUR)	1 034 031 922	1 110 851 834	76 819 912	7,43%
Average Daily Turnover (EUR)	2 833 157	3 043 491	210 334	7,42%
Max. Daily Turnover (EUR)	5 735 201	6 576 117	840 915	14,66%
Min. Daily Turnover (EUR)	354 631	1 217 312	862 681	243,26%

Description	2018	2019	Change	
Total Volume (MWh)	19 908 782,4	22 243 437,4	2 334 655,0	11,73%
Average Daily Traded Volume (MWh)	54 547,5	60 942,0	6 394,5	11,72%
Highest Daily Traded Volume (MWh)	75 013,0	77 811,2	2 798,2	3,73%
Lowest Daily Traded Volume(MWh)	38 996,6	46 198,9	7 202,3	18,47%
Highest Hourly Traded Volume (MWh)	3 685,0	3 869,1	184,1	5,00%
Lowest Hourly Traded Volume(MWh)	1 155,8	1 483,0	327,2	28,31%
Average Hourly Traded Volume (MWh)	2 272,7	2 539,2	266,5	11,73%

DAM - Weekdays	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	54 489,1	60 829,9	6 340,8	11,64%
DAM - Weekend	01-24 (Baseload)	01-24 (Baseload)		
Average Daily Traded Volume (MWh)	54 683,9	61 219,5	6 535,6	11,95%

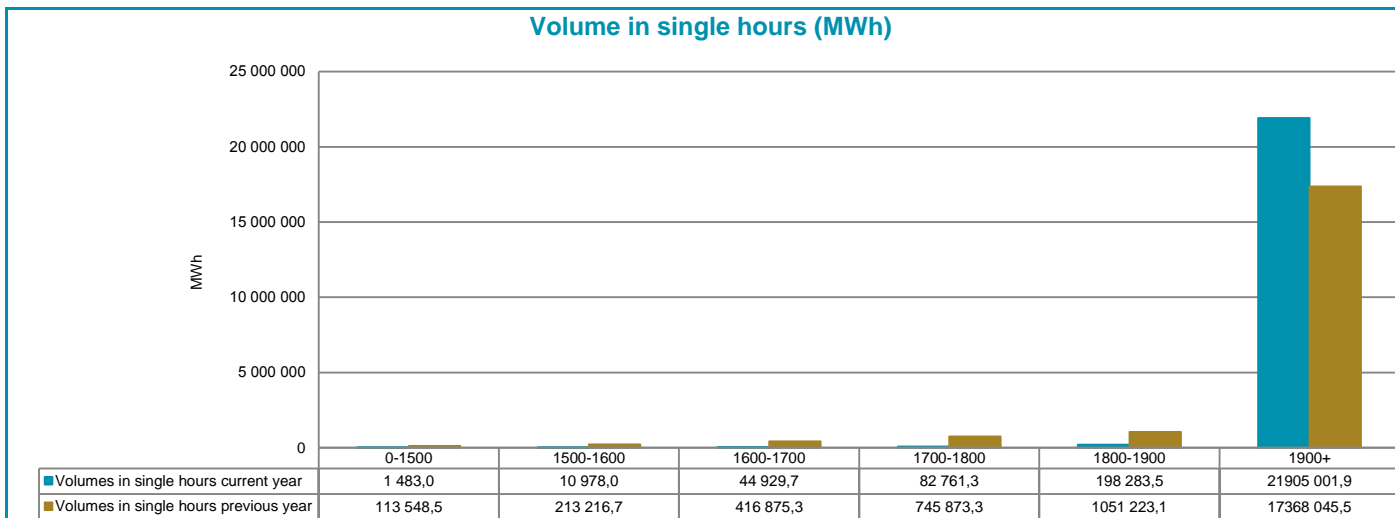
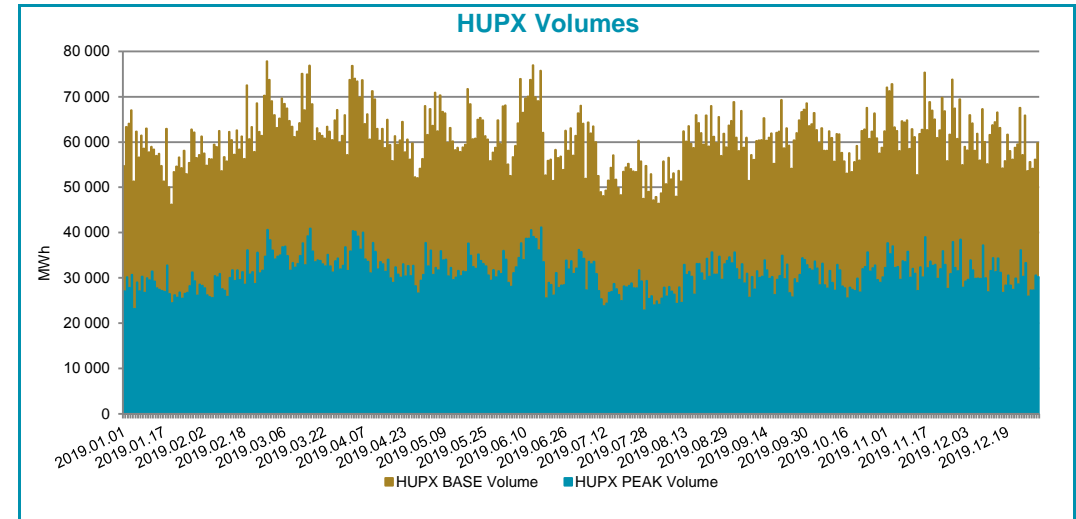
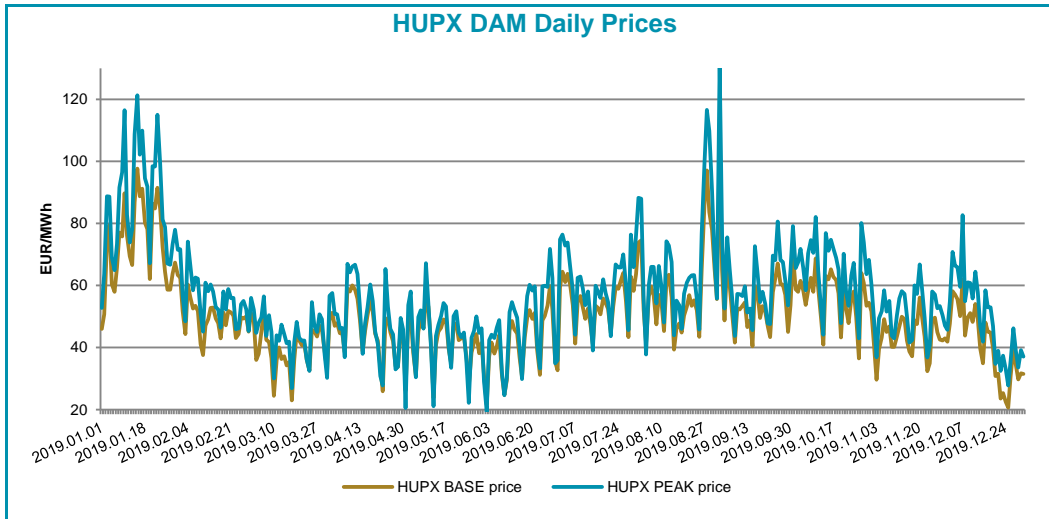
DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	27 674,7	31 063,2	3 388,5	12,24%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	27 818,4	31 443,9	3 625,6	13,03%

Note:

*The average price contains all the hourly prices in the examined periods.

**Trimmed Mean is a special average which shows yearly 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.

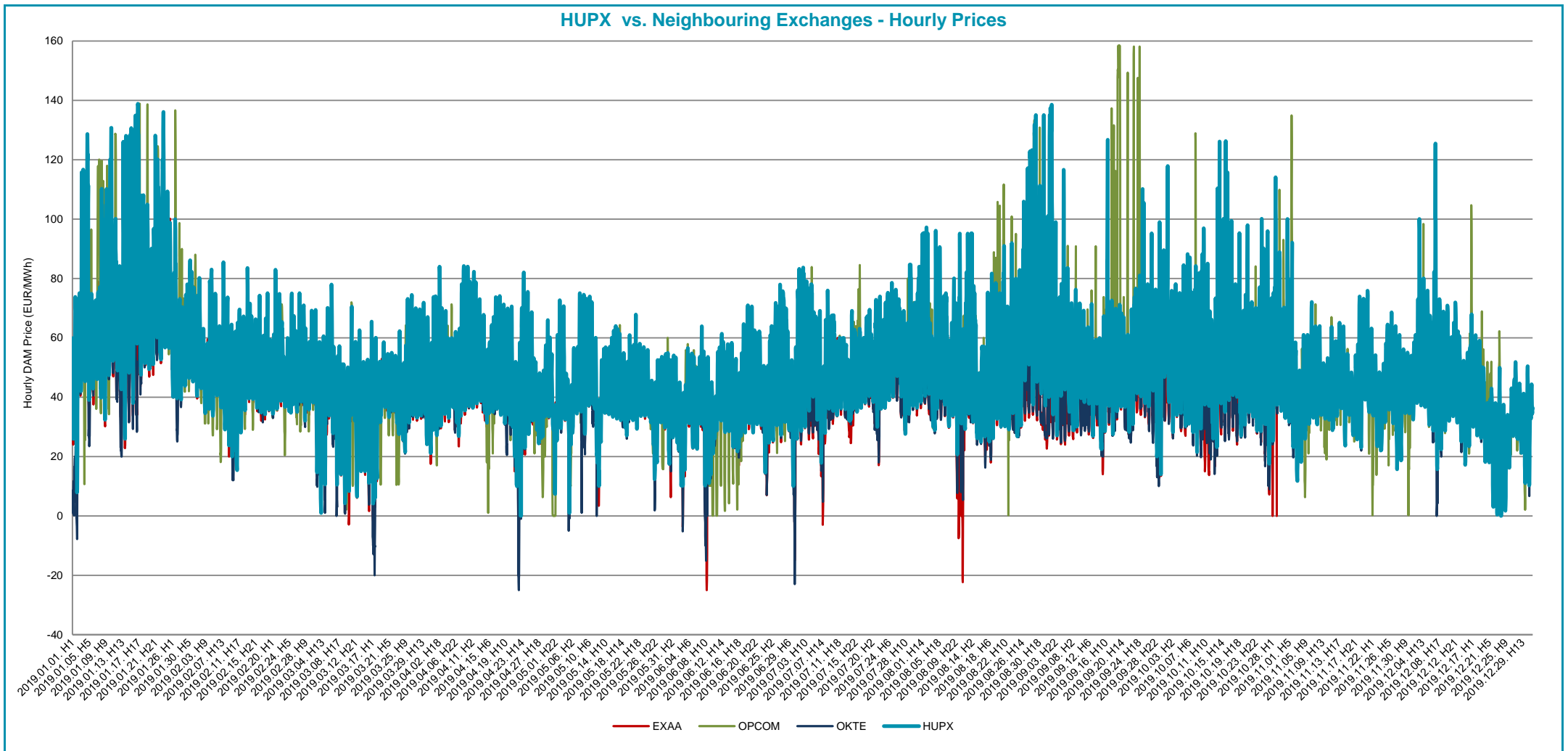
Prices and volumes



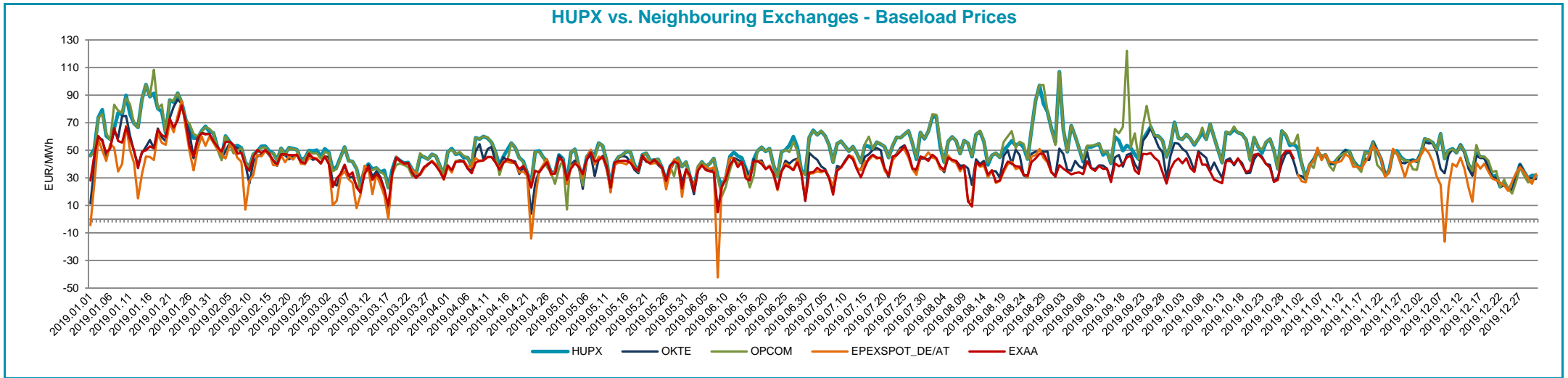
Note:

The bar chart shows the traded volumes in single hours in the examined period (01/01/2019-31/12/2019). We categorized the results according to the traded volume of each hour. Compared to the previous year, the distribution of executed volumes shows changes in the traded volumes: the ratio of the range 0-1500 MWh, 1500-1600 MWh, 1600-1700 MWh, 1700-1800 MWh and 1800-1900 MWh decreased, while the ratio increased regarding the 1900+ MWh.

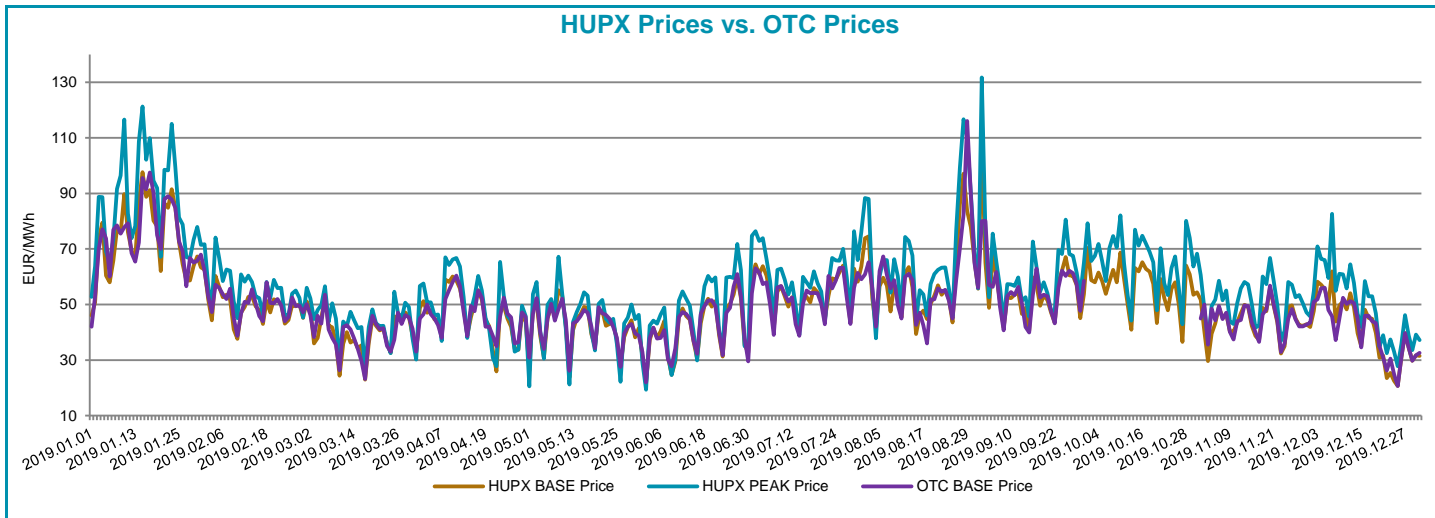
HUPX vs. Neighbouring Exchanges - Hourly Prices



HUPX vs. Neighbouring Exchanges - Baseload Prices



HUPX vs. OTC



Trimmed Diff. BL.	HUPX↔OTC	-1,34
Trimmed Diff. PL.	HUPX↔OTC	

Average of aggregated OFFERS/BIDS 01/01/2019-31/12/2019

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	3 261,8	3 962,8	2 510,9
H2	3 361,5	3 918,9	2 555,1
H3	3 406,6	3 850,1	2 551,4
H4	3 387,8	3 793,1	2 514,1
H5	3 328,4	3 792,5	2 473,4
H6	3 156,9	3 807,7	2 375,0
H7	3 074,3	3 844,8	2 348,0
H8	3 115,8	4 013,5	2 431,8
H9	3 172,9	4 106,9	2 500,5
H10	3 256,8	4 193,1	2 582,7
H11	3 341,3	4 265,4	2 661,0
H12	3 365,6	4 329,1	2 708,4
H13	3 321,9	4 355,8	2 706,2
H14	3 306,0	4 306,3	2 677,5
H15	3 279,8	4 242,5	2 634,3
H16	3 229,3	4 215,2	2 589,3
H17	3 197,2	4 243,1	2 577,0
H18	3 149,9	4 209,7	2 527,7
H19	3 144,3	4 166,8	2 505,7
H20	3 139,9	4 151,7	2 501,2
H21	3 143,3	4 145,1	2 512,8
H22	3 204,0	4 091,6	2 524,6
H23	3 159,1	3 984,3	2 457,9
H24	3 314,7	3 917,6	2 514,2
Σ	77 819,3	97 907,3	60 942,0

Base	
MIN (offer)	3 074,3
MAX (offer)	3 406,6
MIN (bid)	3 792,5
MAX (bid)	4 355,8
Average (offer)	3 242,5
Average (bid)	4 079,5

Peak	
MIN (offer)	3 139,9
MAX (offer)	3 365,6
MIN (bid)	4 106,9
MAX (bid)	4 355,8
Average (offer)	3 242,1
Average (bid)	4 232,1

Aggregated OFFERS/BIDS 01/01/2019-31/12/2019

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

Hour	Offers	Bids	Index volumes
H1	1 190 573,7	1 446 405,6	916 493,0
H2	1 226 959,3	1 430 412,4	932 608,7
H3	1 243 426,8	1 405 271,0	931 256,5
H4	1 236 543,5	1 384 496,6	917 651,8
H5	1 214 866,5	1 384 249,5	902 784,5
H6	1 152 263,0	1 389 815,1	866 868,2
H7	1 122 137,5	1 403 365,2	857 031,5
H8	1 137 271,3	1 464 915,7	887 592,9
H9	1 158 103,4	1 499 004,5	912 690,4
H10	1 188 742,0	1 530 475,6	942 703,0
H11	1 219 584,3	1 556 859,6	971 271,1
H12	1 228 430,3	1 580 135,2	988 562,3
H13	1 212 495,4	1 589 855,9	987 765,4
H14	1 206 698,0	1 571 784,7	977 279,3
H15	1 197 116,1	1 548 499,9	961 522,0
H16	1 178 695,8	1 538 531,3	945 080,2
H17	1 166 962,0	1 548 741,4	940 610,4
H18	1 149 730,2	1 536 533,9	922 624,4
H19	1 147 663,1	1 520 876,4	914 597,5
H20	1 146 080,8	1 515 359,4	912 954,9
H21	1 147 321,2	1 512 950,4	917 184,9
H22	1 169 448,2	1 493 434,7	921 466,9
H23	1 153 082,0	1 454 276,5	897 145,3
H24	1 209 867,7	1 429 913,2	917 692,3
Σ	28 404 062,1	35 736 163,7	22 243 437,4

Base	
MIN (offer)	1 122 137,5
MAX (offer)	1 243 426,8
MIN (bid)	1 384 249,5
MAX (bid)	1 589 855,9
Average (offer)	1 183 502,6
Average (bid)	1 489 006,8

Peak	
MIN (offer)	1 146 080,8
MAX (offer)	1 228 430,3
MIN (bid)	1 499 004,5
MAX (bid)	1 589 855,9
Average (offer)	1 183 358,5
Average (bid)	1 544 721,5