

Monthly Report May 2013

HUPX DAM reached 736 215,2 MWh in May. In the examined month the total traded volume decreased by 10,48% compared to the 822 375 MWh achieved in April. The average daily traded volume was 23 748,9 MWh. The highest daily traded volume was 28 118,2 MWh on the delivery day of 25th May. The number of admitted members was 48 in the examined month.

List of the Members



Members

- | | | |
|---|---|---|
| →Alpiq Energy SE | →BC-Energiakereskedő Kft. | →Interenergo d.o.o. |
| →CEZ, a.s. | →Budapesti Erőmű Zrt. | →ISD Power Kft. |
| →Danske Commodities A/S | →Citigroup Global Markets Limited | →MAVIR Zrt. |
| →E.ON Global Commodities SE | →Compagnie Nationale du Rhone | →Mercuria Energy Trading S.A |
| →Energy Financing Team (Switzerland) AG | →DB Energy Commodities Ltd. | →Monsson Energy Trading S.R.L. |
| →GDF SUEZ Energia Magyarország Zrt. | →Dunafin Kft. | →Morgan Stanley Capital Group Energy Europe Limited |
| →GEN-I d.o.o. | →EDF Trading Limited | →ÓAM Ózdi Acélművek Kft. |
| →Holding Slovenske Elektrarne d.o.o. | →Edison Trading S.p.A. Magyarországi Fióktelepe | →OMV Trading GmbH |
| →JAS Budapest Zrt. | →EGL AG | →PETROL d.d. Ljubljana |
| →Magyar Áramszolgáltató Kft. | →Enel Trade S.p.A. | →RD CZ ENERGY s.r.o. |
| →Mátrai Erőmű Zrt. | →Ezpada s.r.o. | →Repower Trading Ceska republika s.r.o |
| →MVM Partner Zrt. | →Freepoint Commodities Europe LLP | →RWE Supply &Trading GmbH |
| →Statkraft Markets GmbH | →Gazprom Marketing & Trading Ltd | →S.C. Tinmar S.A |
| | →GDF Suez Trading SAS | →TRANSENERGO COM S.A. |
| | →Greenergy-Trade Kft. | →Vattenfall EnergyTrading GmbH |
| | →HAMBURGER Hungaria Kft. | →VERBUND AG |
| | →HEP Magyarország Energia Kft | →Vitol Gas & Power B.V. |
| | | →VPP Erőmű Üzemeltető és Kereskedelmi Zrt. |

HUPX Day-Ahead Market

Description	04/2013	05/2013	Change	
HUPX Base Average Price (EUR/MWh)	36,86	28,77	-8,09	-21,95%
HUPX Peak Average Price (EUR/MWh)	40,41	32,82	-7,59	-18,78%
Diff. BL. HUPX→OTC	-0,22	0,93	1,15	513,02%
Diff. PL. HUPX→OTC	-0,41	1,19	1,60	387,67%

Highest Traded Price (EUR/MWh)	98,00	90,06	-7,94	-8,10%
Lowest Traded Price (EUR/MWh)	3,94	0,10	-3,84	-97,46%

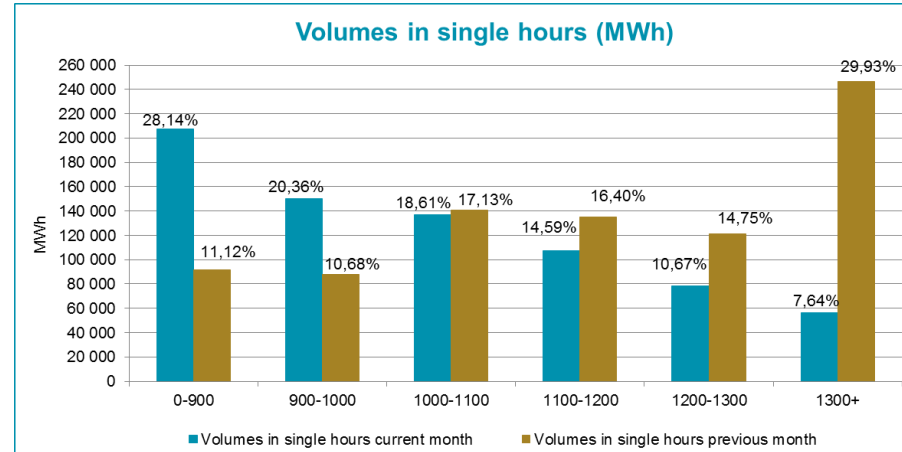
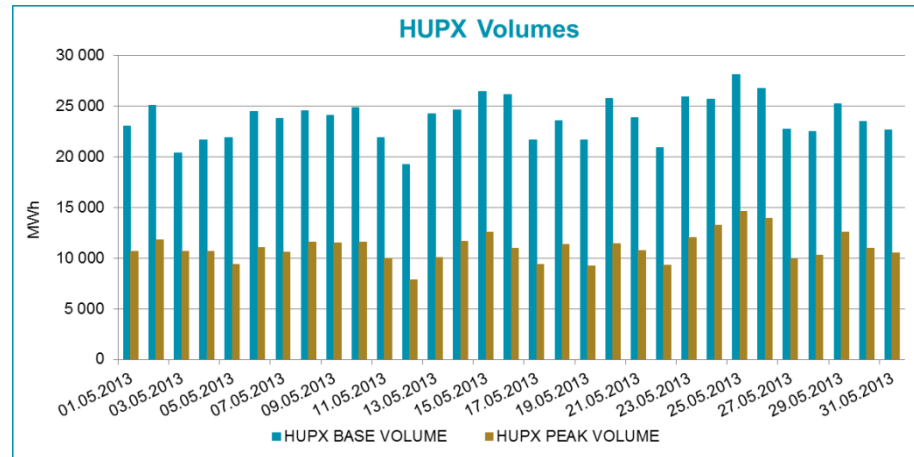
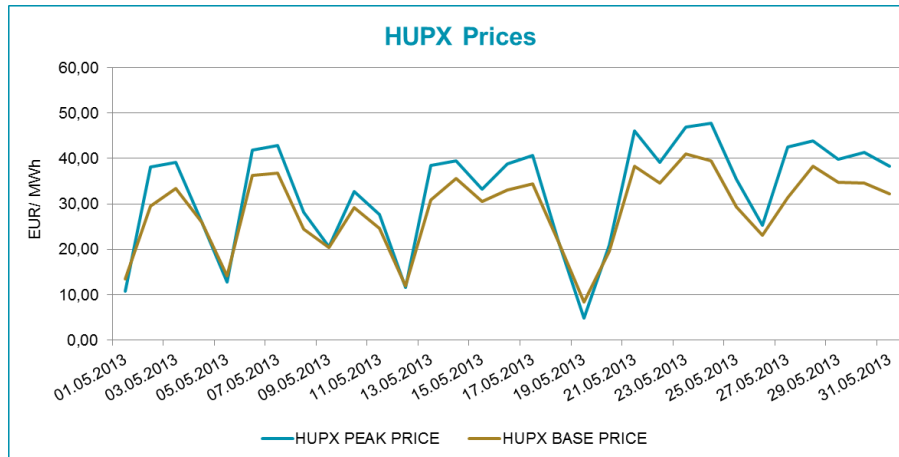
Total Turnover (EUR)	30 780 575	20 855 527	-9 925 049	-32,24%
Average Daily Turnover (EUR)	1 026 019	672 759	-353 260	-34,43%
Max. Daily Turnover (EUR)	2 240 574	1 048 730	-1 191 844	-53,19%
Min. Daily Turnover (EUR)	378 855	179 069	-199 786	-52,73%

Description	04/2013	05/2013	Change	
Total Volume (MWh)	822 375,0	736 215,2	-86 159,8	-10,48%
Average Daily Traded Volume (MWh)	27 412,5	23 748,9	-3 663,6	-13,36%
Highest Daily Traded Volume (MWh)	41 008,6	28 118,2	-12 890,4	-31,43%
Lowest Daily Traded Volume(MWh)	18 854,9	19 259,1	404,2	2,14%
Highest Hourly Traded Volume (MWh)	2 323,2	1 807,3	-515,9	-22,21%
Lowest Hourly Traded Volume(MWh)	555,6	532,2	-23,4	-4,21%
Average Hourly Traded Volume (MWh)	1 142,2	989,5	-152,7	-13,36%

DAM - Weekdays	01-24 (BaseLoad)	01-24 (BaseLoad)		
Average Daily Traded Volume (MWh)	28 097,2	23 981,9	-4 115,3	-14,65%
DAM - Weekend	01-24 (BaseLoad)	01-24 (BaseLoad)		
Average Daily Traded Volume (MWh)	25 529,5	23 078,8	-2 450,7	-9,60%

DAM - Weekdays	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	13 272,5	11 077,6	-2 194,8	-16,54%
DAM - Weekend	09-20 (Peakload)	09-20 (Peakload)		
Average Daily Traded Volume (MWh)	11 705,0	10 862,8	-842,2	-7,19%

HUPX Prices and volumes



Note:

The bar chart shows the traded volumes in single hours in the examined period (01/05/2013-31/05/2013). 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 - 900 MWh, 900 – 1 000 MWh, 1 000-1 100 MWh increased, while the ratio decreased regarding the 1 100 – 1 200 MWh, 1 200 – 1 300 MWh and 1 300+ MWh.

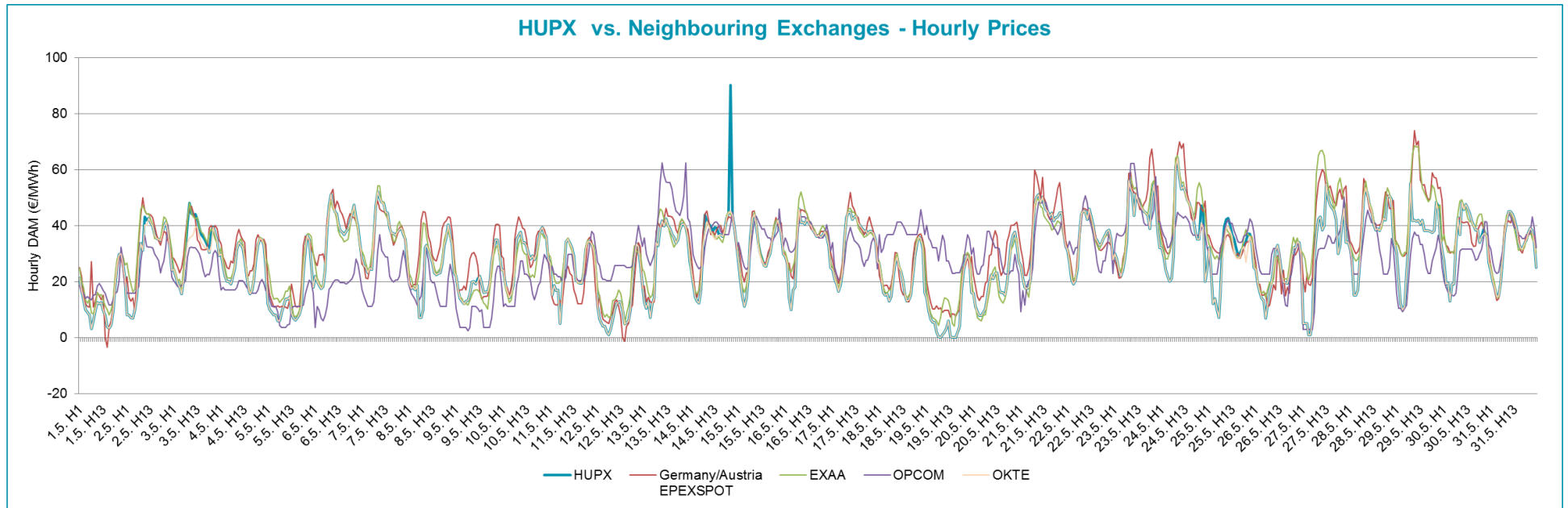
HUPX Day-Ahead Market Traded Volumes
MWh / Delivery day / hour

Delivery hour	05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08	05/09	05/10	05/11	05/12	05/13	05/14	05/15	05/16	05/17	05/18	05/19	05/20	05/21	05/22	05/23	05/24	05/25	05/26	05/27	05/28	05/29	05/30	05/31	TOTAL
00-01	1012.4	1325.3	618.7	829.6	1135.1	1391.9	1015.2	919.6	822.5	871.6	821.7	914.9	1388.5	844.5	1140.5	1117.1	1054.6	871.1	912.9	1136.6	1278.3	773.6	1006.9	725.9	1138.8	1104.8	1155.3	879.1	808.6	842.6	688.9	30 547.1
01-02	1033.9	1417.4	728.9	849.3	1088.2	1340.1	1191.9	1089.9	1060.2	1038.5	976.8	951.6	1494.8	982.5	1241.7	1387	1271.1	982.1	1087.7	1175.7	1365.2	964.9	1239.2	898.6	1173.2	1131.3	1251.4	975.8	926.3	937.7	910.0	34 162.9
02-03	1102.2	1398.8	799.1	984.5	1137.4	1292.0	1211.2	1285.8	1160.9	1268.2	1168.7	1047.8	1498.3	1183.1	1469.5	1738.3	1312.4	1217.6	1223.5	1291.3	1421.4	1116.8	1329.7	1026.8	1041.1	1008.1	1274.4	1153.4	1067.5	1066.1	1165.1	37 461.0
03-04	1084	1387.5	855.6	1108.2	1154.2	1311.8	1273.8	1327.8	1204.7	1257.3	1207.8	1086.9	1584.7	1204.8	1505.9	1807.3	1316.5	1290.7	1315.4	1290.2	1355.2	1124.9	1329.2	1037.4	1069.7	1004.1	1265.3	1187.8	1114.1	1130.3	1144.4	38 337.5
04-05	1072.3	1244.1	760.2	1012.3	1112.3	1226.8	1198.3	1182.3	1132.8	1218.1	1178.2	1071.3	1416.1	1079.4	1380.5	1671.2	1235.9	1258.6	1283.6	1327.6	1350.2	1059.5	1239.3	1044.0	1041.1	1011.2	1182.3	1144.5	1022.9	1054.2	1108.2	36 319.3
05-06	1119.1	1206.0	716.7	1102.9	1154.2	1248.9	1076.7	1069.0	998.6	1203.6	1109.0	1086.9	1250.6	841.4	1189	1497.1	1124.3	1262.0	1242.7	1329.7	1134.7	938.6	1145.1	900.9	1034.0	1024.7	1058.0	982.8	887.1	946.3	888.5	33 769.1
06-07	1289.7	881.2	968.3	769.7	1134.6	1007.8	895.1	972.3	1301.9	1037.8	1005.5	1099.6	976.7	1240.7	1039.8	883.9	739.4	987.9	1176.4	1292.8	742.5	931.9	1092.3	1187.8	1164.7	1132.2	652.6	860.2	1110.2	908.6	894.3	31 378.4
07-08	1080.5	933.2	1033.2	766.6	907.9	994.8	925.9	1209.8	1053.6	1155.7	974.4	926.6	1093.5	1343.7	1101.5	1134.1	863.7	746.5	823.2	1114.4	978.9	1125.7	1103.2	1371.8	1175.2	1117.9	932.0	1141.1	1151.9	1130.5	1166.4	32 577.4
08-09	871.1	1007.2	764.2	906.9	737.4	877.7	855.3	1083.5	825.7	977.5	805.2	616.3	931.6	922.2	996.9	842.8	906.0	836.4	750.3	991.7	944.0	690.6	964.6	1089.2	1211.7	1192.1	721.6	848.2	878.5	872.0	967.8	27 886.2
09-10	851.4	1048.2	780.1	1006.1	782	886.5	950.4	1018.8	898.1	1047.0	889.9	708.5	857.6	998.3	1087.4	950.8	938.0	955.5	811.5	912.7	807.6	721.4	1022.0	1137.8	1255.4	1170.5	820.6	726.4	1002.1	837.4	821.2	28 701.2
10-11	888	1052.3	864.6	913.3	836.7	934.5	844.1	944.0	1066.3	763.8	855.2	749.2	848.2	1073.9	1232.4	1020.9	934.9	1001.1	797.6	935.4	1016.6	738.5	1023.5	1265.8	1212.3	1234.3	911.2	805.7	1083.4	925.7	827.9	29 601.3
11-12	826.8	1043.3	927.3	887.2	852.1	895.8	999.3	1004.1	1065.9	869.6	883.5	744.8	827.0	1003.9	1208.2	1141.4	935.5	1034.1	805.8	920.8	904.9	877.7	1208.3	1273.2	1247.8	1342.1	966.7	990.3	1061.2	942.4	863.1	30 554.1
12-13	864.5	1030.4	956.1	864.2	873.7	1009.4	881.9	991.0	1030.5	907.2	957.6	713.1	868.9	1059.6	1162.4	1005.4	814.1	1013.2	826.4	907.6	889.0	907.7	1144.0	1093.9	1268.8	1246.5	909.4	1101.8	1089.1	966.9	1049.1	30 403.4
13-14	911.2	1062.1	968.6	1072.4	761.6	1019.0	869.3	926.2	1109.7	934.0	828.7	532.2	865.5	1048.3	1067.4	967.9	744.5	1041.5	622.4	946.4	890.1	853.6	1147.8	1010.4	1290.6	1100.4	860.5	1021.1	1114.2	915.1	970.3	29 473.0
14-15	932.3	937.8	953.0	1003.0	731.9	1036.0	893.9	955.7	1068.8	939.6	796.0	618.7	879.6	902.2	1066.9	866.9	698.5	985.4	681.3	991.9	964.8	805.5	995.4	958.3	1243.9	1173.1	856.1	940.1	1116.8	860.4	847.7	28 789.5
15-16	952.5	925.1	968.6	847.8	743.3	980.3	893.8	929.2	989.6	1018.2	757.2	713.0	817.2	978.7	1012.3	842.1	703.7	873.2	675.8	997.1	946.7	805.0	899.4	1070.7	1220.2	1126.2	756.8	873.6	1182.7	860.1	879.0	28 419.1
16-17	953.1	906.7	873.7	749.7	739.5	902.4	868.0	914.9	932.1	1017.0	760.7	629.6	778.7	925.6	989.1	758.3	737.2	972.0	739.1	999.9	811.5	862.9	878.8	1012.0	1173.4	1099.5	688.0	724.2	1062.2	942.9	908.6	27 211.3
17-18	941.6	864.5	826.0	823.6	820.2	800.9	883.9	944.0	844.1	1100.7	804.3	603.8	797.1	840.5	878.1	839.3	722.3	829.6	825.9	988.2	808.7	701.7	902.6	1158.5	1105.5	1169.1	863.2	736.3	1012.9	952.2	803.3	27 147.6
18-19	892.7	884.2	843.3	778.8	768.6	740.5	817.2	905.9	817.8	1026.9	790.3	627.3	833.7	867.9	940.3	850	644.9	829.6	816.3	928.0	856.1	613.7	929.4	1037.1	1150.1	998.2	747.9	721.7	994.5	926.1	777.5	26 347.8
19-20	770.2	989.4	908.5	816.6	713.8	922.3	795.5	987.5	872.0	973.9	829.5	608.4	752.7	925.4	895.3	906.1	625.7	1007.4	842.3	907.2	898.9	610.3	900.2	1098.9	1188.6	1098.0	799.6	770.9	975.8	816.3	876.3	27 154.0
20-21	807.5	987.0	1040.5	1056.8	868.7	1105.5	1168.4	1075.2	1102.3	1117.4	948.8	746.8	1072.2	1252.7	1059	1166.8	870.4	846.3	758.8	983.5	1039.4	1005.5	1423.0	1291.4	1270.7	1165.9	1219.9	1031.0	1259.3	1316.7	1229.4	33 286.8
21-22	701.3	870.0	824.2	825.1	762.3	954.3	1037.6	981.0	926.4	1003.4	766.3	703.4	823.5	1108.0	856.2	862.9	773.1	795.4	719.4	1014.9	933.0	882.2	1091.2	1247.9	1239.0	1208.3	1030.6	1091.3	1221.4	1328.1	1167.7	29 729.4
22-23	966.3	858.2	864.6	856.9	939.8	796.6	1034.9	886.9	800.6	1001.2	790.1	814.2	741.2	948.5	864.2	800.4	657.8	834.1	951.4	1058.6	728.3	750.0	876.5	859.6	1148.5	980.9	948.7	999.4	1056.9	946.2	796.4	27 355.9
23-24	1091	820.4	862.4	815.2	1112.5	759.8	1162.6	916.1	1012.6	1076.2	960.1	944.2	792.7	947.6	1013.6	1041.8	1044.1	1103.0	928.1	1327.7	780.8	989.8	998.4	833.1	1053.9	884.1	838.3	813.7	1021.5	903.2	953.4	29 601.9
TOTAL	23 015,6	25 090,3	20 326,4	21 646,7	21 868,0	24 435,6	23 744,2	24 500,5	24 097,7	24 824,4	21 865,5	19 259,1	24 190,6	24 620,4	26 398,1	26 099,8	21 668,6	23 530,6	21 618,8	25 749,9	23 844,8	20 912,0	25 890,0	25 631,0	28 118,2	26 723,5	22 710,4	22 520,4	25 221,1	23 448,5	22 644,5	736 215,2

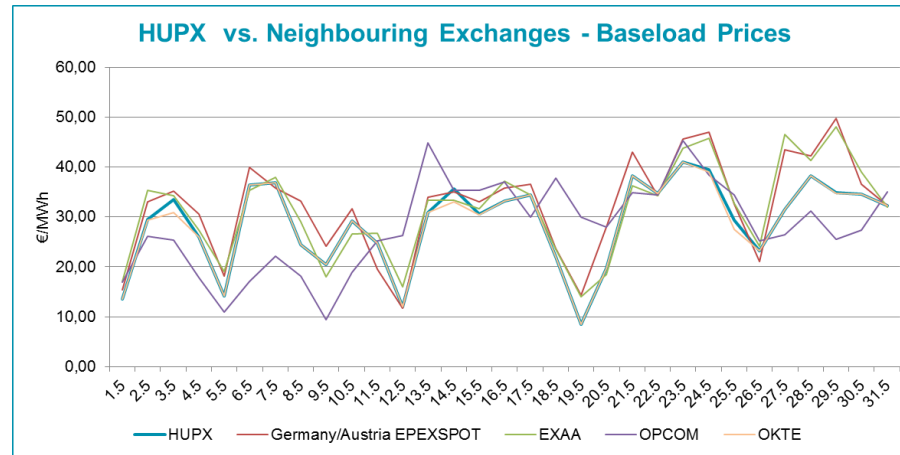
HUPX Day-Ahead Market Prices
€/MWh / Delivery day / hour

Delivery hour	05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08	05/09	05/10	05/11	05/12	05/13	05/14	05/15	05/16	05/17	05/18	05/19	05/20	05/21	05/22	05/23	05/24	05/25	05/26	05/27	05/28	05/29	05/30	05/31	AVG
00-01	21,31	8,00	24,22	30,00	12,00	22,00	28,00	19,00	22,00	24,00	26,41	11,00	12,40	24,68	26,82	29,07	24,25	26,40	14,22	15,79	25,41	31,00	29,82	32,04	31,92	24,37	5,00	32,00	30,21	27,40	23,81	23,05
01-02	16,96	8,00	22,00	25,33	10,00	20,00	25,75	17,40	17,19	19,14	15,00	6,67	10,32	19,86	20,11	26,70	21,01	21,30	9,46	11,10	21,30	26,57	27,82	29,25	24,00	19,05	5,00	28,00	20,30	19,00	20,00	18,83
02-03	13,33	7,00	19,22	22,00	9,00	18,72	25,00	18,00	13,90	16,25	18,55	5,00	12,95	14,70	14,50	14,00	19,10	16,00	6,61	9,17	18,02	20,71	24,00	24,25	12,00	16,29	5,00	15,00	12,00	19,50	17,71	15,40
03-04	10,00	6,90	18,00	20,00	8,00	17,50	23,00	17,02	13,00	14,10	16,78	4,00	7,00	13,00	11,00	10,00	16,52	15,17	5,39	7,68	17,42	19,00	22,00	14,00	14,00	1,00	15,00	10,00	13,00	14,65	13,22	
04-05	9,05	10,00	15,59	20,00	8,00	18,05	24,81	18,62	12,07	15,70	17,00	4,00	12,00	12,36	14,00	17,00	18,55	15,50	5,50	7,73	17,93	20,50	24,00	20,00	10,00	13,30	1,00	17,00	11,00	19,00	14,93	14,33
05-06	8,09	14,50	20,50	19,07	6,00	24,04	24,20	7,00	13,00	18,50	4,92	2,03	14,11	17,00	21,18	18,00	23,57	13,00	2,00	8,87	21,09	24,60	27,99	21,00	7,00	6,75	6,00	27,00	23,06	19,00	19,63	15,57
06-07	3,10	28,74	32,03	21,90	6,00	38,50	35,60	7,00	13,30	26,00	15,00	1,00	33,80	32,00	36,00	35,56	34,98	14,60	0,32	10,25	36,46	36,78	34,10	29,12	15,00	12,00	28,65	38,41	33,41	33,36	28,52	24,24
07-08	6,21	33,76	41,03	25,00	9,00	47,07	47,00	10,00	15,50	35,04	24,31	3,00	32,80	43,																		

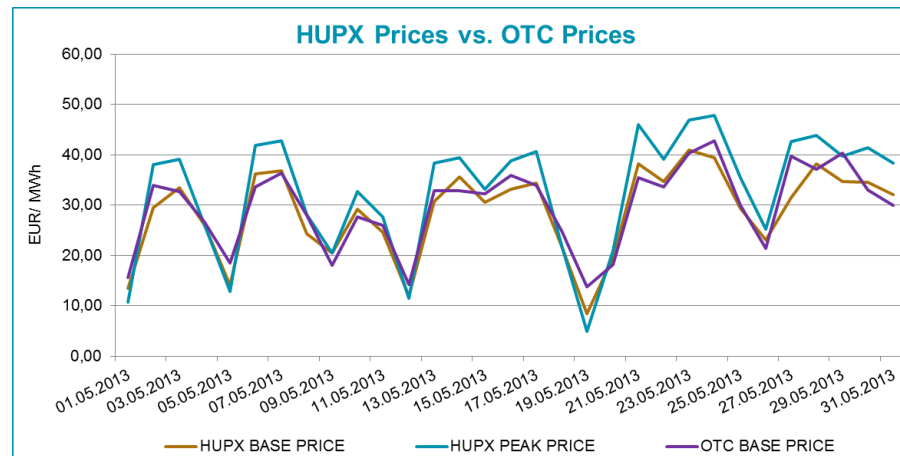
HUPX prices vs. Neighbouring Exchanges – Hourly Prices



HUPX prices vs. Neighbouring Exchanges – Base Prices



HUPX vs. OTC



Diff. BL.	HUPX↔OTC	0,93
Diff. PL.	HUPX↔OTC	1,19

Average of aggregated OFFERS/BIDS 01/05/2013-31/05/2013

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	1 531,5	872,1	985,4
H2	1 667,8	838,3	1 102,0
H3	1 820,5	787,7	1 208,4
H4	1 877,7	791,4	1 236,7
H5	1 827,4	774,3	1 171,6
H6	1 741,7	758,3	1 089,3
H7	1 530,8	1 030,4	1 012,2
H8	1 436,6	1 219,9	1 050,9
H9	1 207,3	1 104,0	899,6
H10	1 161,4	1 161,2	925,8
H11	1 146,2	1 231,2	954,9
H12	1 124,8	1 308,8	985,6
H13	1 152,3	1 323,0	980,8
H14	1 178,6	1 283,6	950,7
H15	1 196,8	1 245,1	928,7
H16	1 233,0	1 226,2	916,7
H17	1 241,1	1 196,5	877,8
H18	1 256,8	1 122,0	875,7
H19	1 312,7	1 023,4	849,9
H20	1 254,3	1 083,8	875,9
H21	1 240,7	1 451,9	1 073,8
H22	1 201,6	1 329,1	959,0
H23	1 362,2	1 012,2	882,4
H24	1 648,2	1 059,9	954,9
Σ	33 352,0	26 234,4	23 748,9

Base	
MIN (offer)	1 124,8
MAX (offer)	1 877,7
MIN (bid)	758,3
MAX (bid)	1 451,9
Average (offer)	1 389,7
Average (bid)	1 093,1

Peak	
MIN (offer)	1 124,8
MAX (offer)	1 312,7
MIN (bid)	1 023,4
MAX (bid)	1 323,0
Average (offer)	1 205,4
Average (bid)	1 192,4

Aggregated OFFERS/BIDS 01/05/2013-31/05/2013

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

Hour	Offers	Bids	Index volumes
H1	47 475,5	27 033,6	30 547,1
H2	51 702,7	25 988,7	34 162,9
H3	56 435,3	24 419,2	37 461,0
H4	58 207,2	24 532,4	38 337,5
H5	56 649,9	24 002,5	36 319,3
H6	53 991,8	23 506,9	33 769,1
H7	47 454,9	31 942,5	31 378,4
H8	44 533,7	37 816,3	32 577,4
H9	37 425,7	34 223,4	27 886,2
H10	36 004,1	35 998,2	28 701,2
H11	35 532,0	38 167,4	29 601,3
H12	34 867,9	40 573,2	30 554,1
H13	35 722,5	41 014,4	30 403,4
H14	36 537,0	39 792,3	29 473,0
H15	37 102,3	38 598,5	28 789,5
H16	38 222,0	38 012,4	28 419,1
H17	38 474,9	37 090,1	27 211,3
H18	38 961,0	34 782,8	27 147,6
H19	40 693,1	31 726,4	26 347,8
H20	38 883,3	33 597,4	27 154,0
H21	38 462,4	45 009,5	33 286,8
H22	37 251,0	41 203,5	29 729,4
H23	42 227,7	31 377,7	27 355,9
H24	51 094,8	32 856,5	29 601,9
Σ	1 033 912,7	813 265,8	736 215,2

Base	
MIN (offer)	34 867,9
MAX (offer)	58 207,2
MIN (bid)	23 506,9
MAX (bid)	45 009,5
Average (offer)	43 079,7
Average (bid)	33 886,1

Peak	
MIN (offer)	34 867,9
MAX (offer)	40 693,1
MIN (bid)	31 726,4
MAX (bid)	41 014,4
Average (offer)	37 368,8
Average (bid)	36 964,7