

Monthly Statistics

October 2019

> pxe



part of eex group

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Czech Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|------------|---------------|-----------------------|--------------|---------------|-----------------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Day Aheads | 217 | 4 510 | 108 240 | 4 437 814,80 | 41,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Weekends | 18 | 350 | 16 805 | 505 518,75 | 30,08 | 0 | 0 | 0 | 0,00 | 0,00 |
| Weeks | 18 | 240 | 40 320 | 1 612 380,00 | 39,99 | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 21 | 172 | 123 840 | 5 844 096,00 | 47,19 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 5 | 30 | 65 490 | 3 391 290,50 | 51,78 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 54 | 139 | 1 220 976 | 61 261 197,12 | 50,17 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 11 | 67 | 586 920 | 29 966 646,00 | 51,06 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 5 | 25 | 219 000 | 11 223 750,00 | 51,25 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------------|-------------------------|-------------------|-----------------------|-----------------------|--------------|-------------|-----------------------|------------------|-----------------------|-----------------------|--------------|-------------|-----------------------|-------------------|-------------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 01 | 526 | 1 771 018 | 91 134 556,70 | 0 | 0 | 0,00 | 709 | 274 392 | 14 926 095,60 | 0 | 0 | 0,00 | 1 235 | 2 045 410 | 106 060 652,30 |
| 02 | 428 | 2 061 969 | 99 328 241,54 | 0 | 0 | 0,00 | 2 231 | 2 947 704 | 138 876 156,75 | 0 | 0 | 0,00 | 2 659 | 5 009 673 | 238 204 398,29 |
| 03 | 417 | 1 148 597 | 53 649 809,30 | 0 | 0 | 0,00 | 1 550 | 354 270 | 15 429 702,15 | 0 | 0 | 0,00 | 1 967 | 1 502 867 | 69 079 511,45 |
| 04 | 468 | 891 658 | 44 279 998,95 | 0 | 0 | 0,00 | 2 072 | 241 863 | 11 013 877,90 | 0 | 0 | 0,00 | 2 540 | 1 133 521 | 55 293 876,85 |
| 05 | 615 | 1 505 680 | 74 287 484,65 | 0 | 0 | 0,00 | 2 111 | 605 036 | 27 239 942,50 | 0 | 0 | 0,00 | 2 726 | 2 110 716 | 101 527 427,15 |
| 06 | 536 | 821 285 | 39 383 512,00 | 0 | 0 | 0,00 | 2 659 | 691 548 | 32 475 562,05 | 0 | 0 | 0,00 | 3 195 | 1 512 833 | 71 859 074,05 |
| 07 | 629 | 588 159 | 30 746 585,95 | 0 | 0 | 0,00 | 2 258 | 589 407 | 30 723 112,50 | 0 | 0 | 0,00 | 2 887 | 1 177 566 | 61 469 698,45 |
| 08 | 884 | 1 679 598 | 85 355 323,26 | 0 | 0 | 0,00 | 3 414 | 1 041 205 | 48 551 183,25 | 0 | 0 | 0,00 | 4 298 | 2 720 803 | 133 906 506,51 |
| 09 | 761 | 1 048 295 | 53 913 704,34 | 0 | 0 | 0,00 | 3 593 | 852 845 | 40 236 925,70 | 0 | 0 | 0,00 | 4 354 | 1 901 140 | 94 150 630,04 |
| 10 | 1 137 | 1 286 798 | 64 779 124,32 | 0 | 0 | 0,00 | 4 396 | 1 094 793 | 53 463 568,85 | 0 | 0 | 0,00 | 5 533 | 2 381 591 | 118 242 693,17 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 6 401 | 12 803 057 | 636 858 341,01 | 0 | 0 | 0,00 | 24 993 | 8 693 063 | 412 936 127,25 | 0 | 0 | 0,00 | 31 394 | 21 496 120 | 1 049 794 468,26 |

Slovak Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|---------|---------------|-----------------------|--------------|---------------|-----------------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| M11-19 | 20 | 163 | 117 360 | 5 802 552,00 | 49,44 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 1 | 5 | 10 915 | 611 240,00 | 56,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 14 | 41 | 360 144 | 18 875 937,60 | 52,41 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 4 | 50 | 438 000 | 22 767 240,00 | 51,98 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 6 | 30 | 262 800 | 13 650 270,00 | 51,94 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------------|-------------------------|------------------|-----------------------|-----------------------|---------------|---------------------|-----------------------|------------------|-----------------------|-----------------------|----------------|----------------------|-----------------------|------------------|-----------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 01 | 141 | 315 264 | 16 735 368,00 | 0 | 0 | 0,00 | 37 | 24 864 | 1 552 622,40 | 0 | 0 | 0,00 | 178 | 340 128 | 18 287 990,40 |
| 02 | 90 | 278 125 | 13 504 481,25 | 0 | 0 | 0,00 | 150 | 173 270 | 8 200 045,25 | 30 | 94 320 | 6 177 960,00 | 270 | 545 715 | 27 882 486,50 |
| 03 | 76 | 227 784 | 10 899 922,80 | 17 | 53 448 | 3 581 959,20 | 300 | 515 090 | 25 097 704,75 | 10 | 31 440 | 2 012 160,00 | 403 | 827 762 | 41 591 746,75 |
| 04 | 122 | 267 672 | 13 611 195,60 | 0 | 0 | 0,00 | 140 | 283 210 | 14 301 345,75 | 0 | 0 | 0,00 | 262 | 550 882 | 27 912 541,35 |
| 05 | 139 | 484 656 | 24 567 556,80 | 0 | 0 | 0,00 | 281 | 374 124 | 18 086 162,40 | 100 | 51 600 | 2 749 392,00 | 520 | 910 380 | 45 403 111,20 |
| 06 | 133 | 778 752 | 40 008 142,80 | 0 | 0 | 0,00 | 265 | 792 970 | 39 394 408,50 | 10 | 19 680 | 1 209 030,00 | 408 | 1 591 402 | 80 611 581,30 |
| 07 | 126 | 419 809 | 22 214 384,42 | 0 | 0 | 0,00 | 151 | 170 944 | 8 356 380,25 | 0 | 0 | 0,00 | 277 | 590 753 | 30 570 764,67 |
| 08 | 126 | 741 199 | 38 459 316,45 | 0 | 0 | 0,00 | 220 | 771 900 | 39 590 288,75 | 0 | 0 | 0,00 | 346 | 1 513 099 | 78 049 605,20 |
| 09 | 111 | 320 724 | 16 846 625,50 | 0 | 0 | 0,00 | 46 | 93 549 | 4 739 385,40 | 0 | 0 | 0,00 | 157 | 414 273 | 21 586 010,90 |
| 10 | 104 | 597 091 | 31 010 388,80 | 0 | 0 | 0,00 | 185 | 592 128 | 30 696 850,80 | 0 | 0 | 0,00 | 289 | 1 189 219 | 61 707 239,60 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 1 168 | 4 431 076 | 227 857 382,42 | 17 | 53 448 | 3 581 959,20 | 1 775 | 3 792 049 | 190 015 194,25 | 150 | 197 040 | 12 148 542,00 | 3 110 | 8 473 613 | 433 603 077,87 |

Hungarian Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|------------|---------------|-----------------------|--------------|----------------|-----------------|---------------|-----------------------|--------------|--------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Day Aheads | 1 878 | 19 177 | 460 358 | 26 590 332,25 | 57,76 | 66 | 740 | 8 880 | 585 000,00 | 65,88 |
| Weekends | 470 | 5 319 | 256 377 | 12 437 054,25 | 48,51 | 20 | 290 | 6 960 | 382 680,00 | 54,98 |
| Weeks | 660 | 5 946 | 999 828 | 56 532 961,50 | 56,54 | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 517 | 2 931 | 2 110 320 | 125 183 671,20 | 59,32 | 3 | 15 | 3 780 | 276 255,00 | 73,08 |
| M12-19 | 125 | 796 | 592 224 | 35 346 807,60 | 59,68 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 12 | 60 | 44 640 | 3 112 189,20 | 69,72 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 16 | 225 | 162 000 | 8 482 500,00 | 52,36 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 105 | 535 | 1 167 905 | 76 624 828,10 | 65,61 | 2 | 60 | 46 800 | 3 638 700,00 | 77,75 |
| Q02-20 | 8 | 40 | 87 360 | 4 654 104,00 | 53,28 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 6 | 70 | 154 630 | 9 654 986,75 | 62,44 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 205 | 528 | 4 637 952 | 278 005 606,56 | 59,94 | 5 | 16 | 50 304 | 3 622 516,80 | 72,01 |
| CAL-21 | 35 | 98 | 858 480 | 48 899 634,00 | 56,96 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 31 | 109 | 954 840 | 52 870 542,00 | 55,37 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------------|-------------------------|------------------|-----------------------|-----------------------|---------------|---------------------|-----------------------|-------------------|-------------------------|-----------------------|------------------|----------------------|-----------------------|-------------------|-------------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | | | |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| 01 | 737 | 671 086 | 38 830 135,50 | 10 | 120 | 8 520,00 | 7 561 | 7 211 982 | 431 284 328,94 | 60 | 16 560 | 1 189 980,00 | 8 368 | 7 899 748 | 471 312 964,44 |
| 02 | 455 | 318 738 | 16 236 379,45 | 0 | 0 | 0,00 | 10 280 | 6 994 483 | 365 446 640,81 | 310 | 173 160 | 10 797 534,00 | 11 045 | 7 486 381 | 392 480 554,26 |
| 03 | 301 | 272 318 | 13 742 768,20 | 15 | 47 160 | 3 279 506,40 | 14 127 | 9 169 477 | 470 072 063,08 | 180 | 154 800 | 9 953 325,00 | 14 623 | 9 643 755 | 497 047 662,68 |
| 04 | 444 | 318 528 | 16 995 019,20 | 0 | 0 | 0,00 | 13 960 | 6 045 019 | 335 710 365,76 | 80 | 93 780 | 6 496 590,00 | 14 484 | 6 457 327 | 359 201 974,96 |
| 05 | 445 | 407 400 | 21 333 323,76 | 0 | 0 | 0,00 | 16 945 | 9 881 451 | 538 740 037,48 | 497 | 254 988 | 16 791 660,00 | 17 887 | 10 543 839 | 576 865 021,24 |
| 06 | 408 | 265 416 | 14 329 609,20 | 0 | 0 | 0,00 | 14 239 | 7 926 524 | 435 311 352,97 | 33 | 39 276 | 2 720 019,60 | 14 680 | 8 231 216 | 452 360 981,77 |
| 07 | 1 271 | 479 936 | 27 745 222,00 | 0 | 0 | 0,00 | 14 973 | 9 679 765 | 565 454 787,65 | 75 | 20 400 | 1 369 356,00 | 16 319 | 10 180 101 | 594 569 365,65 |
| 08 | 955 | 456 885 | 26 054 635,40 | 0 | 0 | 0,00 | 19 725 | 9 145 201 | 527 673 179,29 | 105 | 66 960 | 4 753 126,80 | 20 785 | 9 669 046 | 558 480 941,49 |
| 09 | 954 | 516 885 | 30 499 224,90 | 0 | 0 | 0,00 | 20 855 | 12 125 640 | 717 389 209,25 | 515 | 75 780 | 5 415 837,00 | 22 324 | 12 718 305 | 753 304 271,15 |
| 10 | 2 074 | 484 334 | 28 948 684,64 | 10 | 240 | 12 720,00 | 33 760 | 12 002 580 | 709 446 532,77 | 1 111 | 116 484 | 8 492 431,80 | 36 955 | 12 603 638 | 746 900 369,21 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 8 044 | 4 191 526 | 234 715 002,25 | 35 | 47 520 | 3 300 746,40 | 166 425 | 90 182 122 | 5 096 528 498,00 | 2 966 | 1 012 188 | 67 979 860,20 | 177 470 | 95 433 356 | 5 402 524 106,85 |

Romanian Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|---------|---------------|-----------------------|--------------|---------------|-----------------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Weeks | 30 | 237 | 39 986 | 2 289 537,75 | 57,26 | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 58 | 325 | 234 000 | 14 189 580,00 | 60,64 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 2 | 10 | 7 440 | 437 100,00 | 58,75 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 9 | 45 | 98 235 | 6 589 385,50 | 67,08 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 3 | 15 | 32 760 | 1 744 470,00 | 53,25 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 14 | 33 | 289 872 | 17 629 488,00 | 60,82 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-23 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------------|-------------------------|------------------|----------------------|-----------------------|--------------|-------------|-----------------------|-------------------|-----------------------|-----------------------|--------------|-------------|-----------------------|-------------------|-----------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 01 | 89 | 194 088 | 10 896 519,60 | 0 | 0 | 0,00 | 405 | 344 534 | 20 752 221,22 | 0 | 0 | 0,00 | 494 | 538 622 | 31 648 740,82 |
| 02 | 55 | 263 275 | 13 374 948,50 | 0 | 0 | 0,00 | 472 | 695 573 | 34 820 749,95 | 0 | 0 | 0,00 | 527 | 958 848 | 48 195 698,45 |
| 03 | 18 | 24 720 | 1 133 218,80 | 0 | 0 | 0,00 | 879 | 1 136 899 | 57 125 720,00 | 0 | 0 | 0,00 | 897 | 1 161 619 | 58 258 938,80 |
| 04 | 40 | 94 728 | 5 373 922,80 | 0 | 0 | 0,00 | 460 | 631 437 | 34 962 371,25 | 0 | 0 | 0,00 | 500 | 726 165 | 40 336 294,05 |
| 05 | 11 | 7 920 | 381 960,00 | 0 | 0 | 0,00 | 1 142 | 2 349 436 | 129 164 177,50 | 0 | 0 | 0,00 | 1 153 | 2 357 356 | 129 546 137,50 |
| 06 | 62 | 99 701 | 5 418 504,00 | 0 | 0 | 0,00 | 445 | 943 950 | 50 588 098,50 | 0 | 0 | 0,00 | 507 | 1 043 651 | 56 006 602,50 |
| 07 | 87 | 151 849 | 8 892 510,55 | 0 | 0 | 0,00 | 674 | 1 904 328 | 108 728 401,30 | 0 | 0 | 0,00 | 761 | 2 056 177 | 117 620 911,85 |
| 08 | 42 | 45 130 | 2 537 980,00 | 0 | 0 | 0,00 | 652 | 1 531 339 | 88 887 109,35 | 0 | 0 | 0,00 | 694 | 1 576 469 | 91 425 089,35 |
| 09 | 63 | 153 557 | 8 994 399,25 | 0 | 0 | 0,00 | 838 | 1 016 027 | 60 990 279,00 | 0 | 0 | 0,00 | 901 | 1 169 584 | 69 984 678,25 |
| 10 | 58 | 161 222 | 9 951 438,65 | 0 | 0 | 0,00 | 607 | 541 071 | 32 928 122,60 | 0 | 0 | 0,00 | 665 | 702 293 | 42 879 561,25 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 525 | 1 196 190 | 66 955 402,15 | 0 | 0 | 0,00 | 6 574 | 11 094 594 | 618 947 250,67 | 0 | 0 | 0,00 | 7 099 | 12 290 784 | 685 902 652,82 |

Polish Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|---------|---------------|-----------------------|--------------|--------------|-----------------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| M11-19 | 26 | 139 | 100 080 | 5 433 552,00 | 54,29 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |

Monthly Statistics 2018

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------------|-------------------------|--------------|-------------------|-----------------------|--------------|-------------|-----------------------|----------------|---------------------|-----------------------|--------------|-------------|-----------------------|----------------|---------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 01 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 02 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 03 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 04 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 05 | 4 | 2 880 | 182 160,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 4 | 2 880 | 182 160,00 |
| 06 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 07 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 08 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 15 | 10 800 | 680 940,00 | 0 | 0 | 0,00 | 15 | 10 800 | 680 940,00 |
| 09 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 10 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 139 | 100 080 | 5 433 552,00 | 0 | 0 | 0,00 | 139 | 100 080 | 5 433 552,00 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 4 | 2 880 | 182 160,00 | 0 | 0 | 0,00 | 154 | 110 880 | 6 114 492,00 | 0 | 0 | 0,00 | 158 | 113 760 | 6 296 652,00 |

Slovenian Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | | Peak Load | | | | |
|---------|---------------|-----------------------|--------------|--------------|-----------------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Weeks | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 1 | 2 | 17 568 | 1 038 268,80 | 59,10 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 3 | 20 | 175 200 | 9 890 040,00 | 56,45 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 3 | 20 | 175 200 | 9 548 400,00 | 54,50 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|-------|-------------------------|--------------|-------------|-----------------------|--------------|-------------|-----------------------|--------------|---------------|-----------------------|--------------|-------------|-----------------------|--------------|---------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 01 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 02 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 03 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 04 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 05 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 06 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 40 | 350 880 | 19 728 984,00 | 0 | 0 | 0,00 | 40 | 350 880 | 19 728 984,00 |
| 07 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 117 | 87 048 | 4 559 232,00 | 0 | 0 | 0,00 | 117 | 87 048 | 4 559 232,00 |
| 08 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 45 | 29 640 | 1 538 400,00 | 0 | 0 | 0,00 | 45 | 29 640 | 1 538 400,00 |
| 09 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 164 | 515 419 | 30 583 185,75 | 0 | 0 | 0,00 | 164 | 515 419 | 30 583 185,75 |
| 10 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 42 | 367 968 | 20 476 708,80 | 0 | 0 | 0,00 | 42 | 367 968 | 20 476 708,80 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 408 | 1 350 955 | 76 886 510,55 | 0 | 0 | 0,00 | 408 | 1 350 955 | 76 886 510,55 |

Serbian Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | |
|---------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Weeks | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 0 | 0 | 0 | 0,00 | 0,00 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | OTC Cleared Volumes | | | Total | | |
|-------------|-------------------------|--------------|-------------|-----------------------|--------------|-------------------|-----------------------|--------------|-------------------|
| | Base Load | | | Base Load | | | | | |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| 01 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 02 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 03 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 04 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 05 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 06 | 0 | 0 | 0,00 | 10 | 7 440 | 382 788,00 | 10 | 7 440 | 382 788,00 |
| 07 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 08 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 09 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 10 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 0 | 0 | 0,00 | 10 | 7 440 | 382 788,00 | 10 | 7 440 | 382 788,00 |

Bulgarian Power Futures

Structure of Trades in October 2019

| Product | Base Load | | | | |
|---------|---------------|-----------------------|--------------|-------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Weeks | 0 | 0 | 0 | 0,00 | 0,00 |
| M11-19 | 0 | 0 | 0 | 0,00 | 0,00 |
| M12-19 | 1 | 5 | 3 720 | 225 432,00 | 60,60 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M03-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M04-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-21 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-22 | 0 | 0 | 0 | 0,00 | 0,00 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | OTC Cleared Volumes | | | Total | | |
|-------------|-------------------------|--------------|-------------------|-----------------------|---------------|---------------------|-----------------------|---------------|---------------------|
| | Base Load | | | Base Load | | | | | |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| 01 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 02 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 03 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 04 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 05 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 06 | 2 | 1 488 | 76 632,00 | 30 | 22 320 | 1 160 640,00 | 32 | 23 808 | 1 237 272,00 |
| 07 | 0 | 0 | 0,00 | 25 | 18 360 | 993 000,00 | 25 | 18 360 | 993 000,00 |
| 08 | 3 | 2 160 | 113 400,00 | 0 | 0 | 0,00 | 3 | 2 160 | 113 400,00 |
| 09 | 0 | 0 | 0,00 | 50 | 37 250 | 2 159 755,00 | 50 | 37 250 | 2 159 755,00 |
| 10 | 0 | 0 | 0,00 | 5 | 3 720 | 225 432,00 | 5 | 3 720 | 225 432,00 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 5 | 3 648 | 190 032,00 | 110 | 81 650 | 4 538 827,00 | 115 | 85 298 | 4 728 859,00 |

Czech Gas Futures

Structure of Trades in October 2019

| Product | Base Load | | | | |
|---------|---------------|-----------------------|--------------|--------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| M11-19 | 6 | 179 | 128 880 | 2 017 800,00 | 15,66 |
| M12-19 | 1 | 3 | 2 232 | 40 957,20 | 18,35 |
| M01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| M02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q01-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q02-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q03-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| Q04-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| WIN-19 | 0 | 0 | 0 | 0,00 | 0,00 |
| SUM-20 | 1 | 10 | 43 920 | 783 972,00 | 17,85 |
| WIN-20 | 0 | 0 | 0 | 0,00 | 0,00 |
| CAL-20 | 1 | 1 | 8 784 | 165 578,40 | 18,85 |
| CAL-21 | 2 | 2 | 17 520 | 330 690,00 | 18,88 |
| CAL-22 | 1 | 1 | 8 760 | 167 535,00 | 19,13 |

* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

| Month | Exchange Traded Volumes | | | OTC Cleared Volumes | | | Total | | |
|-----------------------|-------------------------|-------------|-----------------------|---------------------|-------------|--------------|-----------------------|--------------|---------------|
| | Base Load | | | Base Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | | |
| 01 | 398 | 284 106 | 6 155 433,30 | 66 | 44 352 | 895 910,40 | 464 | 328 458 | 7 051 343,70 |
| 02 | 218 | 264 841 | 5 148 891,63 | 94 | 210 054 | 4 125 263,30 | 312 | 474 895 | 9 274 154,93 |
| 03 | 197 | 273 648 | 4 740 068,40 | 34 | 24 480 | 388 620,00 | 231 | 298 128 | 5 128 688,40 |
| 04 | 40 | 29 760 | 465 744,00 | 24 | 17 856 | 267 840,00 | 64 | 47 616 | 733 584,00 |
| 05 | 68 | 91 512 | 1 609 884,00 | 24 | 17 280 | 228 096,00 | 92 | 108 792 | 1 837 980,00 |
| 06 | 71 | 141 159 | 2 393 112,70 | 24 | 17 856 | 182 131,20 | 95 | 159 015 | 2 575 243,90 |
| 07 | 49 | 55 024 | 867 803,65 | 24 | 17 856 | 199 987,20 | 73 | 72 880 | 1 067 790,85 |
| 08 | 39 | 94 039 | 1 533 050,10 | 24 | 17 280 | 177 984,00 | 63 | 111 319 | 1 711 034,10 |
| 09 | 94 | 108 741 | 1 749 734,50 | 44 | 32 780 | 404 833,00 | 138 | 141 521 | 2 154 567,50 |
| 10 | 152 | 178 416 | 3 021 828,60 | 44 | 31 680 | 484 704,00 | 196 | 210 096 | 3 506 532,60 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 1 326 | 1 521 246 | 27 685 550,88 | 402 | 431 474 | 7 355 369,10 | 1 728 | 1 952 720 | 35 040 919,98 |

Czech Gas Spot

Structure of Trades in October 2019

| Product | Base Load | | | | |
|------------|---------------|-----------------------|--------------|--------------|-----------------|
| | No. of Trades | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | VWAP* (EUR/MWh) |
| Day Aheads | 378 | 18 821 | 451 704 | 4 716 928,20 | 10,44 |
| Weekends | 73 | 4 135 | 199 607 | 2 052 357,78 | 10,28 |

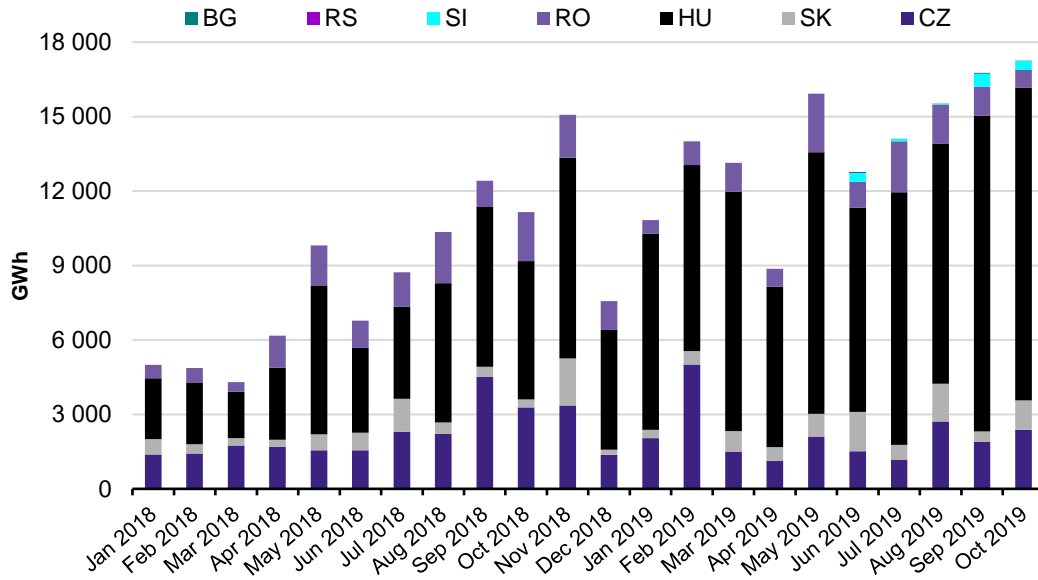
* Volume Weighted Average Price of the Traded Contracts

Monthly Statistics 2019

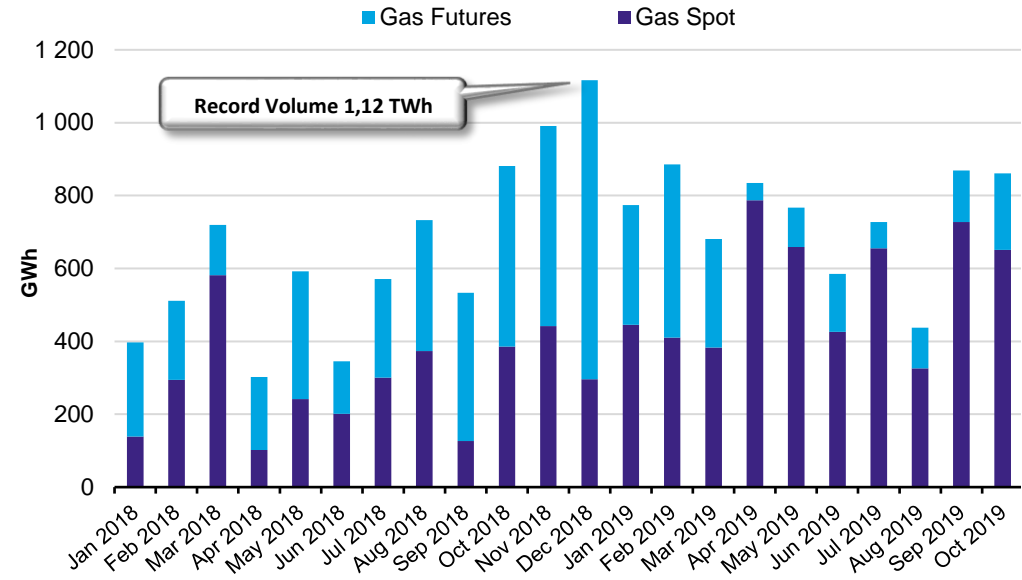
| Month | Exchange Traded Volumes | | | OTC Cleared Volumes | | | Total | | |
|-------|-------------------------|--------------|---------------|-----------------------|--------------|-------------|-----------------------|--------------|---------------|
| | Base Load | | | Base Load | | | | | |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| 01 | 16 212 | 445 344 | 9 710 844,00 | 0 | 0 | 0,00 | 16 212 | 445 344 | 9 710 844,00 |
| 02 | 14 234 | 410 736 | 7 765 498,20 | 0 | 0 | 0,00 | 14 234 | 410 736 | 7 765 498,20 |
| 03 | 13 818 | 383 006 | 6 529 259,08 | 0 | 0 | 0,00 | 13 818 | 383 006 | 6 529 259,08 |
| 04 | 22 882 | 787 032 | 12 916 630,80 | 0 | 0 | 0,00 | 22 882 | 787 032 | 12 916 630,80 |
| 05 | 20 148 | 658 608 | 9 150 179,40 | 0 | 0 | 0,00 | 20 148 | 658 608 | 9 150 179,40 |
| 06 | 16 303 | 426 384 | 4 668 864,60 | 0 | 0 | 0,00 | 16 303 | 426 384 | 4 668 864,60 |
| 07 | 23 443 | 654 984 | 7 505 918,40 | 0 | 0 | 0,00 | 23 443 | 654 984 | 7 505 918,40 |
| 08 | 11 013 | 326 352 | 3 355 092,00 | 0 | 0 | 0,00 | 11 013 | 326 352 | 3 355 092,00 |
| 09 | 25 273 | 727 680 | 6 901 749,00 | 0 | 0 | 0,00 | 25 273 | 727 680 | 6 901 749,00 |
| 10 | 22 956 | 651 311 | 6 769 285,98 | 0 | 0 | 0,00 | 22 956 | 651 311 | 6 769 285,98 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 186 282 | 5 471 437 | 75 273 321,45 | 0 | 0 | 0,00 | 186 282 | 5 471 437 | 75 273 321,45 |

Market Overview

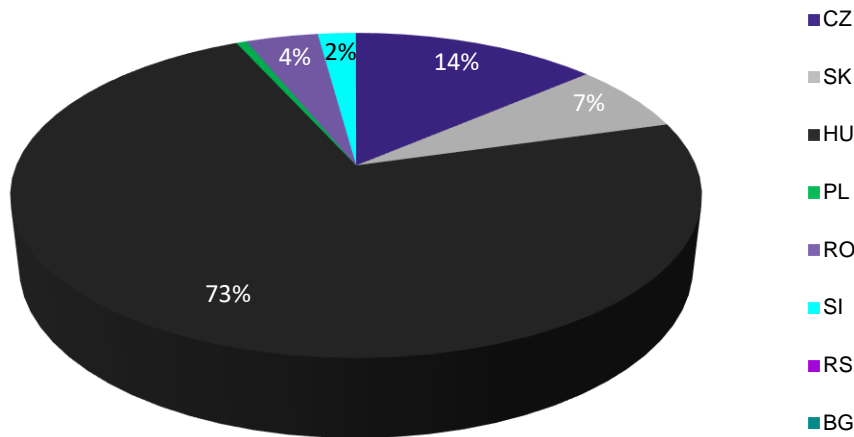
Power Traded Volume in 2018 and 2019



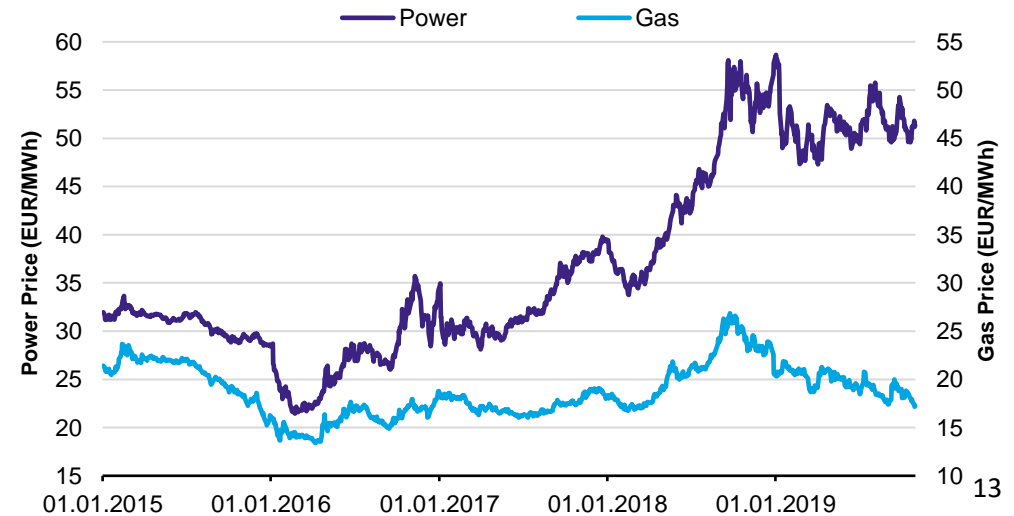
Gas Traded Volume in 2018 and 2019



Structure of Trades in October 2019



Czech Base Front Year Price Development



Yearly Statistics

Power

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|----------|-------------------------|--------------|------------------|-----------------------|--------------|----------------|-----------------------|--------------|------------------|-----------------------|--------------|---------------|-----------------------|--------------|------------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 2007 | 3 558 | 33 313 386 | 1 811 764 102,00 | 1 168 | 1 054 932 | 86 059 623,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 4 726 | 34 368 318 | 1 897 823 725,00 |
| 2008 | 14 103 | 25 723 197 | 1 904 553 739,00 | 2 893 | 2 071 176 | 216 740 200,00 | 693 | 4 780 665 | 304 575 894,00 | 85 | 240 060 | 21 755 100,00 | 17 774 | 32 815 098 | 2 447 624 933,00 |
| 2009 | 8 185 | 22 889 495 | 1 078 923 742,00 | 1 995 | 1 192 080 | 77 026 713,00 | 1 418 | 4 376 290 | 207 057 037,00 | 495 | 481 680 | 33 122 379,00 | 12 093 | 28 939 545 | 1 396 129 870,00 |
| 2010 | 9 085 | 19 869 506 | 948 325 775,00 | 1 714 | 581 160 | 36 304 143,00 | 561 | 3 795 140 | 181 875 240,00 | 75 | 144 240 | 8 720 808,00 | 11 435 | 24 390 046 | 1 175 225 965,00 |
| 2011 | 7 037 | 15 766 217 | 854 756 963,00 | 795 | 349 560 | 23 910 102,00 | 2 121 | 8 193 397 | 446 718 447,00 | 35 | 22 200 | 1 670 655,00 | 9 988 | 24 331 374 | 1 327 056 167,00 |
| 2012 | 5 783 | 16 363 367 | 771 736 655,00 | 956 | 577 404 | 33 922 915,00 | 926 | 2 834 934 | 134 982 757,00 | 110 | 51 000 | 2 970 879,00 | 7 775 | 19 826 705 | 943 613 207,00 |
| 2013 | 9 030 | 26 699 844 | 1 035 294 939,00 | 904 | 534 024 | 26 723 950,00 | 800 | 2 416 525 | 98 246 646,00 | 35 | 19 800 | 936 078,00 | 10 769 | 29 670 193 | 1 161 201 613,00 |
| 2014 | 6 398 | 19 662 663 | 696 622 683,00 | 660 | 387 120 | 16 747 329,00 | 837 | 1 532 121 | 58 052 755,00 | 0 | 0 | 0,00 | 7 895 | 21 581 904 | 771 422 767,00 |
| 2015 | 9 583 | 21 775 775 | 737 859 576,00 | 643 | 610 752 | 24 235 734,00 | 344 | 1 711 062 | 51 768 840,00 | 0 | 0 | 0,00 | 10 570 | 24 097 589 | 813 864 150,00 |
| 2016 | 7 194 | 28 197 026 | 846 636 943,00 | 317 | 373 320 | 14 377 641,00 | 296 | 1 767 130 | 60 393 220,00 | 30 | 30 000 | 1 292 994,00 | 7 837 | 30 367 476 | 922 700 799,00 |
| 2017 | 4 112 | 17 010 821 | 628 798 292,45 | 179 | 117 552 | 5 328 912,00 | 9 024 | 30 514 951 | 1 341 635 540,25 | 218 | 468 936 | 28 876 759,80 | 13 533 | 48 112 260 | 2 004 639 504,50 |
| 2018 | 11 313 | 30 097 175 | 1 502 265 705,22 | 286 | 607 572 | 37 672 430,40 | 35 132 | 70 257 842 | 3 775 617 636,99 | 1 271 | 1 250 532 | 81 219 076,80 | 48 002 | 102 213 121 | 5 396 774 849,41 |
| 2019 YTD | 16 147 | 22 628 377 | 1 166 758 319,83 | 52 | 100 968 | 6 882 705,60 | 200 449 | 115 312 753 | 6 406 349 687,72 | 3 116 | 1 209 228 | 80 128 402,20 | 219 764 | 139 251 326 | 7 660 119 115,35 |

Gas

| Month | Exchange Traded Volumes | | | | | | OTC Cleared Volumes | | | | | | Total | | |
|----------|-------------------------|--------------|----------------|-----------------------|--------------|-------------|-----------------------|--------------|--------------|-----------------------|--------------|-------------|-----------------------|--------------|----------------|
| | Base Load | | | Peak Load | | | Base Load | | | Peak Load | | | No. of Contracts (MW) | Volume (MWh) | Value (EUR) |
| | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | No. of Contracts (MW) | Volume (MWh) | Value (EUR) | | | |
| 2007 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2008 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2009 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2010 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2011 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2012 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2013 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2014 | 690 | 615 240 | 13 798 585,00 | N/A | N/A | N/A | 175 | 129 840 | 3 041 076,00 | N/A | N/A | N/A | 865 | 745 080 | 16 839 661,00 |
| 2015 | 60 309 | 3 052 479 | 58 524 354,00 | N/A | N/A | N/A | 260 | 125 328 | 2 577 583,00 | N/A | N/A | N/A | 60 569 | 3 177 807 | 61 101 937,00 |
| 2016 | 58 334 | 3 113 097 | 47 495 684,00 | N/A | N/A | N/A | 0 | 0 | 0,00 | N/A | N/A | N/A | 58 334 | 3 113 097 | 47 495 684,00 |
| 2017 | 60 126 | 4 160 763 | 75 923 411,06 | N/A | N/A | N/A | 63 | 180 268 | 3 052 063,20 | N/A | N/A | N/A | 60 189 | 4 341 031 | 78 975 474,26 |
| 2018 | 125 317 | 7 644 773 | 175 826 796,20 | N/A | N/A | N/A | 65 | 48 360 | 1 177 566,00 | N/A | N/A | N/A | 125 382 | 7 693 133 | 177 004 362,20 |
| 2019 YTD | 187 608 | 6 992 683 | 102 958 872,33 | N/A | N/A | N/A | 402 | 431 474 | 7 355 369,10 | N/A | N/A | N/A | 188 010 | 7 424 157 | 110 314 241,43 |

Auctions

Power

| Month | Low Consumption | | | High Consumption | | | Total | | |
|-------------|-----------------|----------------|----------------------|------------------|------------------|----------------------|-----------------|------------------|-----------------------|
| | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) |
| 01 | 1 | 1 751 | 0,00 | 2 | 1 345 629 | 0,00 | 2 | 1 347 380 | 0,00 |
| 02 | 2 | 4 034 | 5 596 240,55 | 1 | 1 461 | 2 022 570,68 | 2 | 5 495 | 7 618 811,23 |
| 03 | 3 | 7 051 | 1 365 230,09 | 3 | 1 964 | 39 923,58 | 3 | 9 016 | 1 405 153,67 |
| 04 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 05 | 4 | 7 038 | 9 968 455,17 | 3 | 4 616 | 6 548 530,75 | 4 | 11 654 | 16 516 985,92 |
| 06 | 8 | 49 105 | 61 505 792,04 | 4 | 13 733 | 14 685 272,97 | 10 | 62 838 | 76 191 065,01 |
| 07 | 6 | 18 542 | 4 417 829,88 | 3 | 15 854 | 801 938,08 | 6 | 34 396 | 5 219 767,96 |
| 08 | 8 | 76 217 | 14 663 394,07 | 5 | 60 139 | 3 396 426,34 | 8 | 136 355 | 18 059 820,41 |
| 09 | 4 | 15 184 | 1 361 165,21 | 3 | 3 105 | 190 612,57 | 5 | 18 289 | 1 551 777,79 |
| 10 | 2 | 913 | 500 585,52 | 1 | 5 116 | 278 867,49 | 2 | 6 029 | 779 453,01 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 38 | 179 834 | 99 378 692,54 | 25 | 1 451 618 | 27 964 142,45 | 42 | 1 631 452 | 127 342 834,99 |

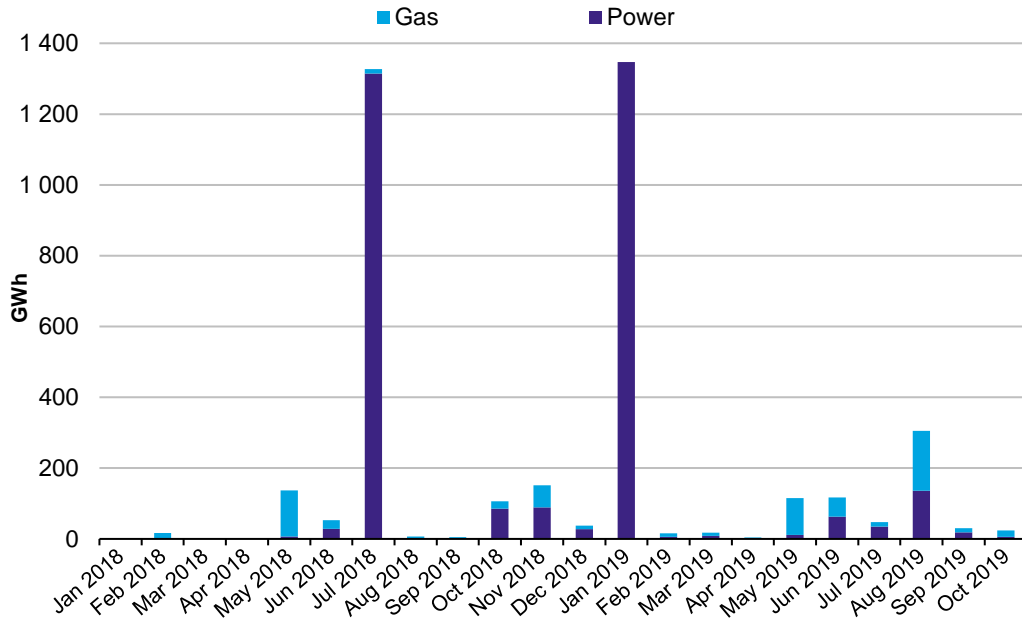
Gas

| Month | Low Consumption | | | High Consumption | | | Total | | |
|-------------|-----------------|----------------|----------------------|------------------|----------------|----------------------|-----------------|----------------|-----------------------|
| | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) |
| 01 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 02 | 2 | 6 421 | 3 777 323,18 | 1 | 3 960 | 2 336 400,00 | 2 | 10 381 | 6 113 723,18 |
| 03 | 4 | 8 803 | 5 079 987,55 | 0 | 0 | 0,00 | 4 | 8 803 | 5 079 987,55 |
| 04 | 1 | 4 021 | 2 368 493,28 | 0 | 0 | 0,00 | 1 | 4 021 | 2 368 493,28 |
| 05 | 5 | 75 168 | 42 470 054,87 | 2 | 28 463 | 16 080 206,10 | 5 | 103 632 | 58 550 260,97 |
| 06 | 6 | 17 117 | 9 543 678,62 | 6 | 37 154 | 14 281 771,43 | 7 | 54 271 | 23 825 450,05 |
| 07 | 2 | 7 215 | 3 965 711,29 | 1 | 5 893 | 3 240 930,00 | 2 | 13 108 | 7 206 641,29 |
| 08 | 9 | 116 074 | 10 671 575,05 | 2 | 52 742 | 4 075 097,92 | 9 | 168 817 | 14 746 672,97 |
| 09 | 3 | 9 577 | 3 304 127,87 | 1 | 2 852 | 0,00 | 3 | 12 428 | 3 304 127,87 |
| 10 | 2 | 4 260 | 508 590,42 | 1 | 13 464 | 0,00 | 2 | 17 724 | 508 590,42 |
| 11 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 12 | 0 | 0 | 0,00 | 0 | 0 | 0,00 | 0 | 0 | 0,00 |
| 2019 | 34 | 248 655 | 81 689 542,12 | 14 | 144 528 | 40 014 405,45 | 35 | 393 184 | 121 703 947,58 |

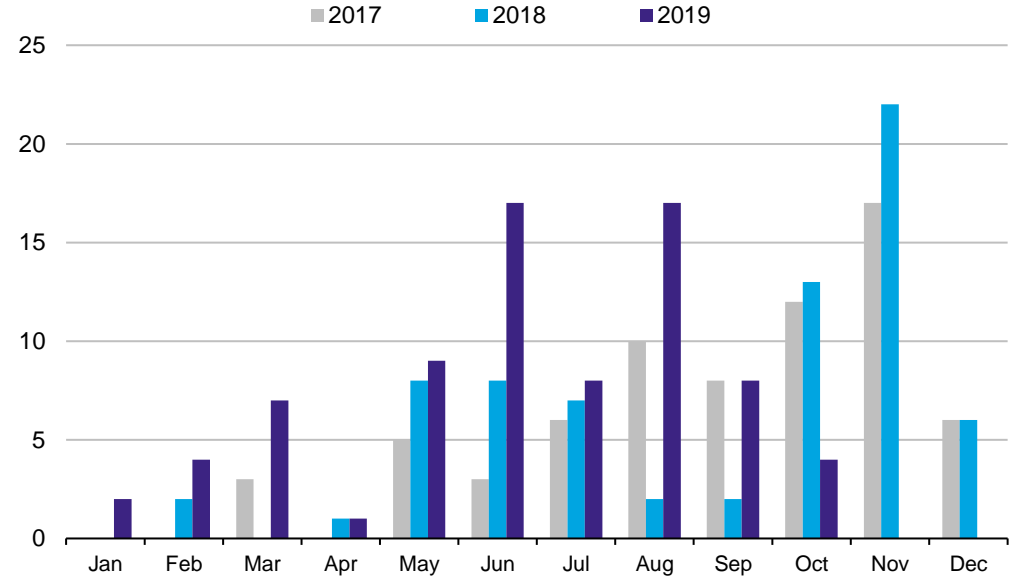
* Captures "price for unit" auctions only

Market Overview

Traded Volume in 2018 and 2019



Number of Auctions



Yearly Statistics

Power

| Month | Low Consumption | | | High Consumption | | | Total | | |
|-----------------|-----------------|----------------|----------------------|------------------|------------------|----------------------|-----------------|------------------|-----------------------|
| | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) |
| 2007 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2008 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2009 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2010 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2011 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2012 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2013 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2014 | 0 | 5 025 | 5 125 467,36 | 1 | 3 044 | 3 104 880,00 | 2 | 8 069 | 8 230 347,36 |
| 2015 | 0 | 126 533 | 107 800 505,60 | 15 | 57 968 | 49 590 426,39 | 97 | 184 501 | 157 390 931,98 |
| 2016 | 0 | 153 495 | 84 739 591,53 | 18 | 112 064 | 47 904 025,17 | 129 | 265 559 | 132 643 616,70 |
| 2017 | 0 | 126 152 | 82 498 644,46 | 37 | 93 940 | 52 648 345,92 | 285 | 220 092 | 135 146 990,38 |
| 2018 | 0 | 154 132 | 186 231 683,49 | 32 | 1 399 248 | 50 227 628,60 | 300 | 1 553 380 | 236 459 312,09 |
| 2019 YTD | 38 | 179 834 | 99 378 692,54 | 25 | 1 451 618 | 27 964 142,45 | 42 | 1 631 452 | 127 342 834,99 |

Gas

| Month | Low Consumption | | | High Consumption | | | Total | | |
|-----------------|-----------------|----------------|----------------------|------------------|----------------|----------------------|-----------------|----------------|-----------------------|
| | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) | No. of Auctions | Volume (MWh) | Value* (CZK) |
| 2007 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2008 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2009 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2010 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2011 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2012 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2013 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2014 | 1 | 0 | 0,00 | 0 | 0 | 0,00 | 2 | 0 | 0,00 |
| 2015 | 5 | 113 625 | 66 210 504,67 | 13 | 151 136 | 80 386 825,50 | 63 | 264 761 | 146 597 330,18 |
| 2016 | 10 | 201 072 | 53 503 970,19 | 18 | 214 543 | 64 943 512,51 | 272 | 415 615 | 118 447 482,70 |
| 2017 | 19 | 147 976 | 52 814 267,28 | 32 | 137 940 | 31 817 744,05 | 631 | 285 916 | 84 632 011,32 |
| 2018 | 23 | 95 469 | 43 547 870,55 | 30 | 191 992 | 23 855 176,26 | 1093 | 287 461 | 67 403 046,81 |
| 2019 YTD | 34 | 248 655 | 81 689 542,12 | 14 | 144 528 | 40 014 405,45 | 35 | 393 184 | 121 703 947,58 |

* Captures "price for unit" auctions only