

SUMMARY OF TRADING ACTIVITY AT TGE MARKETS

NOVEMBER 2018

ELECTRICITY

THE VOLUME OF TRADING IN ELECTRICITY (MWh)



Total Volume ----- 22 565 763 ↑ +110,7% (YoY)

Commodity Forward Instruments Market (CFIM) ----- 20 047 150 ↑ +133,0% (YoY)

Spot Market ----- 2 518 613 ↑ +19,5% (YoY)

THE WEIGHTED AVERAGE PRICE

Day Ahead Market 254,90 (PLN/MWh)

↑ +6,62 (PLN/MWh) (m/m)

Contract with base load delivery in 2019 (BASE_Y-19) 286,61 (PLN/MWh)

↑ +10,85 (PLN/MWh) (m/m)

NATURAL GAS

THE VOLUME OF TRANSACTIONS CONCLUDED ON NATURAL GAS MARKETS (MWh)



THE WEIGHTED AVERAGE PRICE

DAM&IDMg 112,27 (PLN/MWh)

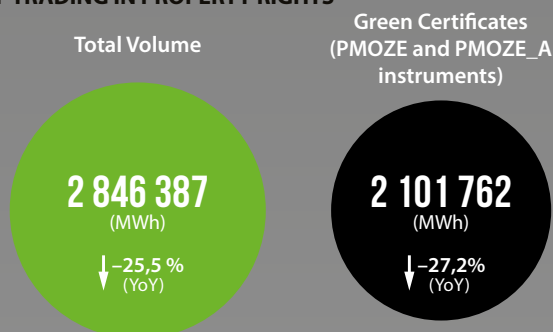
↓ -3,32 (PLN/MWh) (m/m)

Contract with base load delivery in 2019 (GAS_BASE_Y-19) 107,44 (PLN/MWh)

↓ -9,00 (PLN/MWh) (m/m)

PROPERTY RIGHTS

THE VOLUME OF TRADING IN PROPERTY RIGHTS



THE WEIGHTED AVERAGE PRICE

PMOZE_A Instrument 156,28 (PLN/MWh)

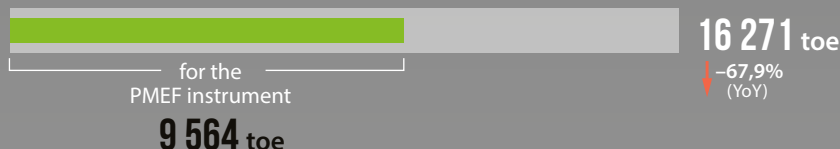
↑ +15,31 (PLN/MWh) (m/m)

THE WEIGHTED AVERAGE PRICE DURING MARKET SESSIONS

PMEF Instrument 397,97 (PLN/toe)

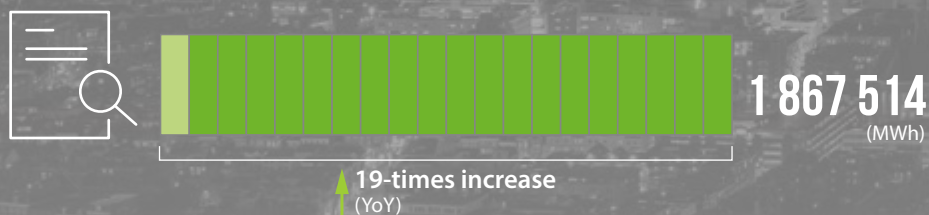
↓ -136,00 (PLN/toe) (m/m)

THE VOLUME FOR PROPERTY RIGHTS RELATED TO ENERGY EFFICIENCY



GUARANTEES OF ORIGIN REGISTER

THE VOLUME OF TRANSACTIONS CONCLUDED IN THE GUARANTEES OF ORIGIN REGISTER



THE WEIGHTED AVERAGE PRICE

0,54 (PLN/MWh) $\uparrow +0,13$ (PLN/MWh) (m/m)

STEAM COAL



PSCMI 1

THE PRICE INDEX PSCMI 1

based on the ex-works pricing data for supplied by the Industrial Development Agency (ARP) for utility and industrial power generation sector at the end of September 2018

243,44 PLN/t

$\downarrow -0,79\%$
(*)

11,28 PLN/GJ

$\downarrow 0,00\%$
(*)

THE CHANGE OF MONTHLY INDICES

PSCMI 1 (PLN/t)	PSCMI 1 (PLN/GJ)
34,69	1,83
$\uparrow +16,62\%$ (YoY)*	$\uparrow +19,37\%$ (YoY)*

PSCMI 2

THE PRICE INDEX PSCMI 2

which reflects prices for industrial and municipal CHP plants

THE PRICE PER 1 GJ OF ENERGY

304,73 PLN/t

$\downarrow -1,54\%$
(*)

12,62 PLN/GJ

$\downarrow -1,64\%$
(*)

(*) compared to September 2018

THE CHANGE OF MONTHLY INDICES

PSCMI 2 (PLN/t)	PSCMI 2 (PLN/GJ)
51,20	2,20
$\uparrow +20,19\%$ (YoY)*	$\uparrow +21,11\%$ (YoY)*

* compared to October 2017

NEW PARTICIPANTS

The end of November 2018



**MONTHLY
VOLUME**
(MWh)

**VOLUME
IN PREVIOUS MONTH**
(MWh)

**MONTHLY VOLUME
IN PREVIOUS YEAR**
(MWh)

ELECTRICITY

IDM	4 475	5 742	5 863
DAM	2 514 138	2 551 436	2 102 052
CFIM	20 047 150	26 720 490	8 603 142
TOTAL	22 565 763	29 277 668	10 711 057

NATURAL GAS

IDMg	725 667	597 215	418 321
DAMg	2 009 016	1 109 452	1 760 496
CFIMg	19 517 513	19 517 513	12 522 424
TOTAL	10 663 505	21 224 180	14 701 241

PROPERTY RIGHTS FOR ELECTRICITY

GREEN CERTIFICATES	2 101 762	3 109 293	2 887 763
PRM sessions	1 337 570	1 612 513	1 331 697
OTC	764 191	1 496 779	1 538 066
CFIM	–	–	18 000
BLUE CERTIFICATES	40 223	82 680	51 778
PRM sessions	30 100	56 480	34 109
OTC	10 123	26 200	17 669
YELLOW CERTIFICATES	494 744	500 031	297 222
PRM sessions	195 850	245 918	151 856
OTC	298 894	254 114	145 366
RED CERTIFICATES	194 753	268 394	462 389
PRM sessions	162 119	242 591	167 971
OTC	32 635	25 803	294 418
PURPLE CERTIFICATES	14 905	18 459	121 122
PRM sessions	14 905	18 459	15 067
OTC	0	0	106 055
TOTAL	2 846 387	3 978 858	3 820 274

PROPERTY RIGHTS FOR ENERGY EFFICIENCY

PRM sessions	14 970	29 015	29 865
OTC	1 301	2 633	20 812
TOTAL	16 271	31 648	50 677