Publication of the information for tariff year 2019/2020 referred to in Article 29 of the TAR NC[1],

1. The reserve prices for interconnection points and points other than interconnection points where Regulation (EU) 2017/459 rules apply (Article 29 (a) (i) and (b) (i) of the TAR NC).

High-methane gas E subsystem. All prices are given in **PLN/MWh/h.**

[1] Commission Regulation (EU) 2017/460 of 16 March 2017 establishing a network code on harmonised transmission tariff structures for gas

The below presented reserve prices are net prices. The given prices shall be increased by the value-added tax (VAT), at the applicable under the relevant tax regulations.

		Entry Interconnection Points		Exit Interconnection Points	
Product Type	Validity Period	Standardard capacity products for firm capacity	Standard capacity products for interruptible capacity	Standardard capacity products for firm capacity	Standard capacity products for interruptible capacity
Yearly product *	1 oct 2019 - 31 dec 2019	3.015	3.015	1.876	1.876
Yearly product **	1 jan 2020 - 30 sept 2020	3.015	3.015	1.852	1.852
Quarterly product *	1 oct 2019 - 31 dec 2019	4.523	4.523	2.814	2.814
Quarterly product **	1 jan 2020 - 31 mar 2020	4.289	4.289	2.634	2.634
Quarterly product **	1 apr 2020 - 30 jun 2020	3.446	3.446	2.117	2.117
Quarterly product **	1 jul 2020 - 30 sept 2020	3.255	3.255	1.999	1.999
Monthly product *	1 oct 2019 - 31 oct 2019	4.221	4.221	2.626	2.626
Monthly product *	1 nov 2019 - 30 nov 2019	4.824	4.824	3.002	3.002
Monthly product *	1 dec 2019 - 31 dec 2019	5.126	5.126	3.189	3.189
Monthly product **	1 jan 2020 - 31 jan 2020	5.290	5.290	3.249	3.249
Monthly product **	1 feb 2020 - 29 feb 2020	4.809	4.809	2.954	2.954
Monthly product **	1 mar 2020 - 31 mar 2020	4.590	4.590	2.820	2.820
Monthly product **	1 apr 2020 - 30 apr 2020	4.328	4.328	2.659	2.659
Monthly product **	1 may 2020 - 31 may 2020	3.891	3.891	2.390	2.390
Monthly product **	1 jun 2020 - 30 jun 2020	3.585	3.585	2.202	2.202
Monthly product **	1 jul 2020 - 31 jul 2020	3.760	3.760	2.309	2.309
Monthly product **	1 aug 2020 - 31 aug 2020	3.629	3.629	2.229	2.229
Monthly product **	1 sept 2020 - 30 sept 2020	3.803	3.803	2.336	2.336

		Entry Interconnection Points		Exit Interconnection Points	
Product Type	Validity Period	Standardard capacity products for firm capacity	Standard capacity products for interruptible capacity	Standardard capacity products for firm capacity	Standard capacity products for interruptible capacity
Daily product *	1 oct 2019 - 31 oct 2019	6.543	6.543	4.071	4.071
Daily product *	1 nov 2019 - 30 nov 2019	7.236	7.236	4.502	4.502
Daily product *	1 dec 2019 - 31 dec 2019	7.945	7.945	4.943	4.943
Daily product **	1 jan 2020 - 31 jan 2020	8.026	8.026	4.930	4.930
Daily product **	1 feb 2020 - 29 feb 2020	7.296	7.296	4.482	4.482
Daily product **	1 mar 2020 - 31 mar 2020	6.965	6.965	4.278	4.278
Daily product **	1 apr 2020 - 30 apr 2020	6.567	6.567	4.034	4.034
Daily product **	1 may 2020 - 31 may 2020	5.903	5.903	3.626	3.626
Daily product **	1 jun 2020 - 30 jun 2020	5.439	5.439	3.341	3.341
Daily product **	1 jul 2020 - 31 jul 2020	5.704	5.704	3.504	3.504
Daily product **	1 aug 2020 - 31 aug 2020	5.505	5.505	3.382	3.382
Daily product **	1 sept 2020 - 30 sept 2020	5.771	5.771	3.545	3.545
Within-Day product *	1 oct 2019 - 31 oct 2019	6.543	6.543	4.071	4.071
Within-Day product *	1 nov 2019 - 30 nov 2019	7.236	7.236	4.502	4.502
Within-Day product *	1 dec 2019 - 31 dec 2019	7.945	7.945	4.943	4.943
Within-Day product **	1 jan 2020 - 31 jan 2020	8.026	8.026	4.930	4.930
Within-Day product **	1 feb 2020 - 29 feb 2020	7.296	7.296	4.482	4.482
Within-Day product **	1 mar 2020 - 31 mar 2020	6.965	6.965	4.278	4.278
Within-Day product **	1 apr 2020 - 30 apr 2020	6.567	6.567	4.034	4.034
Within-Day product **	1 may 2020 - 31 may 2020	5.903	5.903	3.626	3.626
Within-Day product **	1 jun 2020 - 30 jun 2020	5.439	5.439	3.341	3.341
Within-Day product **	1 jul 2020 - 31 jul 2020	5.704	5.704	3.504	3.504
Within-Day product **	1 aug 2020 - 31 aug 2020	5.505	5.505	3.382	3.382
Within-Day product **	1 sept 2020 - 30 sept 2020	5.771	5.771	3.545	3.545

** According to Tariff No 12 for gaseous fuels transmission services*

*** According to Tariff No 13 for gaseous fuels transmission services.*

2. Multipliers and seasonal factors (Article 29 (a) (ii) of the TAR NC)

Based on the provisions of the Regulation of the Ministry of Energy of 15 March 2018 concerning detailed principles of tariff design and calculation and settlements in gas trade GAZ-SYSTEM uses the following correction coefficients to determine fixed fee rates for short-term services.

<table>
<tr><th rowspan="2">Month</th><th colspan="4">Product type</th></tr>
<tr><th>Quarterly</th><th>Monthly</th><th>Daily</th><th>Within-Day</th></tr>
<tr><td>October</td><td rowspan="3">1.5</td><td>1.4</td><td rowspan="12">The fee for each single gas day amounts to 1/20 of the fee for provision of transmission services for the relevant calendar month.</td><td rowspan="12">The fee for each hour amounts to 1/24 of the fee for provision of transmission services determined like for single day services.</td></tr>
<tr><td>November</td><td>1.6</td></tr>
<tr><td>December</td><td>1.7</td></tr>
<tr><td>January</td><td rowspan="3">1.6</td><td>1.7</td></tr>
<tr><td>February</td><td>1.7</td></tr>
<tr><td>March</td><td>1.6</td></tr>
<tr><td>April</td><td rowspan="3">1.1</td><td>1.4</td></tr>
<tr><td>May</td><td>1.3</td></tr>
<tr><td>June</td><td>1.3</td></tr>
<tr><td>July</td><td rowspan="3">1.1</td><td>1.3</td></tr>
<tr><td>August</td><td>1.3</td></tr>
<tr><td>September</td><td>1.3</td></tr>
</table>

In accordance with the Communication of the President of the Energy Regulatory Office No 24/2019 regarding the level of the multipliers, seasonal factors and discounts referred to in article 28 (1) (a) to (c)of the TAR NC, to be taken into account in the calculation of tariffs for gaseous fuels transmission services for the period from 1 January 2020 to 31 December 2020 (https://www.ure.gov.pl/pl/urzad/informacje-ogolne/komunikaty-prezesa-ure/8174,Komunikat-nr-242019.html) the following correction coefficients for short-term products will be applied from 1 January till 31 September 2020. The below presented correction coefficients are mathematical products of multipliers and seasonal for certain products types and periods.

Month	Product type			
	Quarterly	Monthly	Daily	Within-Day
October	1.3843	1.4790	2.2440	2.2440
November		1.5950	2.4200	2.4200
December		1.6820	2.5520	2.5520
January	1.4224	1.7545	2.6620	2.6620
February		1.5950	2.4200	2.4200
March		1.5225	2.3100	2.3100
April	1.1430	1.4355	2.1780	2.1780
May		1.2905	1.9580	1.9580
June		1.1890	1.8040	1.8040
July	1.0795	1.2470	1.8920	1.8920
August		1.2035	1.8260	1.8260
September		1.2615	1.9140	1.9140

3. The justification of the President of Energy regulatory office for the level of multipliers (article 29 (a) (iii) of the TAR NC).

In accordance with the Communication of the President of the Energy Regulatory Office No 24/2019 regarding the level of the multipliers, seasonal factors and discounts referred to in article 28 (1) (a) to (c)of the TAR NC, to be taken into account in the calculation of tariffs for gaseous fuels transmission services for the period from 1 January 2020 to 31 December 2020 (https://www.ure.gov.pl/pl/urzad/informacje-ogolne/komunikaty-prezesa-ure/8174,Komunikat-nr-242019.html) presented multipliers and seasonal factors were calculated in line with the requirements set out in the TAR NC with regard to existing market conditions (the level of the services offered, the availability of the services provided, the structure of the demand for long-term and short-term services and therefore the structure of the long-term and short-term incomes as well as the development investments conducted and expected changes in demand due to termination of the historical contracts), respecting the principle of balancing the interests of the gas companies and the final customers. The levels applied aim at effective usage of the gas infrastructure enabling financing conducted investments on one hand, and on the other promoting competition on gas market.

The level of the multiplies enable operator the maintenance of the level of long-term services, which provide the stability of the incomes and therefore enable financing the investments and short-term products that allow the system users to balance their portfolios.

Due to the fact that multipliers and seasonal factors are set at equal levels for all entry and exit points to and from the transmission system, all the system users pay equal rates for short-term contract despite the contractual paths. Given the above, the application of the multipliers and seasonal factors has no influence on the cross-subsidisation between system users and cross-border flows.

4. The justification of the President of Energy regulatory office for the usage and level of seasonal factors (article 29 (a) (iv) of the TAR NC).

In accordance with the Communication of the President of the Energy Regulatory Office No 24/2019 regarding the level of the multipliers, seasonal factors and discounts referred to in article 28 (1) (a) to (c)of the TAR NC, to be taken into account in the calculation of tariffs for gaseous fuels transmission services for the period from 1 January 2020 to 31 December 2020 (https://www.ure.gov.pl/pl/urzad/informacje-ogolne/komunikaty-prezesa-ure/8174,Komunikat-nr-242019.html) presented multipliers and seasonal factors were calculated in line with the requirements set out in the TAR NC with regard to existing market conditions (the level of the services offered, the availability of the services provided, the structure of the demand for long-term and short-term services and therefore the structure of the long-term and short-term incomes as well as the development investments conducted and expected changes in demand due to termination of the historical contracts), respecting the principle of balancing the interests of the gas companies and the final customers. The levels applied aim at effective usage of the gas infrastructure enabling financing conducted investments on one hand, and on the other promoting competition on gas market.

Due to the fact that multipliers and seasonal factors are set at equal levels for all entry and exit points to and from the transmission system, all the system users pay equal rates for short-term contract despite the contractual paths. Given the above, the application of the multipliers and seasonal factors has no influence on the cross-subsidisation between system users and cross-border flows.

Moreover the levels of seasonal factors reflect the transmission system flows depending on the market demand for gaseous fuels and have no negative influence on the effective usage of the transmission infrastructure.

5. The valuation of the probability of interruption (article 29 (b) (i), (ii) and (iii) of the TAR NC).

GAZ-SYSTEM applies the *ex-post* discount for standard interruptible capacity products in line with the provisions of point 9.4.1. of the Tariff No 13 for gaseous fuels transmission services. In accordance with article 16 (4) of the Tariff Network code, the *ex-post* discount can be applied

at points where there was no interruption of capacity due to physical congestion in the preceding year.

Due to the above, for all interconnections points and internal points one methodology based on *ex-post* discount was set. Baring in mind the data concerning the interruptions occurred in the preceding years, proving that the probability of the interruption is minor the application of the ex-post discount is justified.