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GOVERNMENT OF GREECE GAZETTE B 3513/1 November 2016

RAE Decision no. 352/2016

Approval of the Tariffs for the use of the National Natural Gas System in accordance with the provisions of paragraph 5 of Article 88 of Law 4001/2011, as in force

The Regulatory Authority for Energy
(Meeting of October 8, 2016)

Whereas:

1.
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24.

Thought as follows:

Because, as specified in the provisions of paragraph 5 Article 88 of Law 4001/2011, as in force (hereinafter "Law"): "Except for the Independent Natural Gas System (INGS) Operators to which exemption is granted in accordance to the provisions of Article 76, the tariffs for any Basic Activity on the basis of which every Operator receives revenue, are compiled by each Transmission Operator and approved by RAE decision..".

Because, according to the provisions of paragraph 3 of Article 61 of Law 4409/2016 (GG A 136/28.07.2016) as amended with the provision of paragraph 12 of Article 15 of Law 4425/2016 (GG A 185/30.9.2016): “3. Within three (3) months from the entry into force of the present, the Tariff Regulation for the use of the National Natural Gas System (GG B’ 2093/2012) and the calculation methodology of the required revenue is revised, in accordance with the provisions of paragraphs 1 and 2. The tariffs for the use of NNGS applicable at the entry into force of this provision are revised by 30.11.2016, according to the revised methodology mentioned above, and shall apply from 01.01.2017.”

Because, DESFA submitted to RAE, with no 12 reference document, a proposal for the Tariff for the use of NNGS , in accordance with his respective proposal for a revised Tariff Regulation for the use of NNGS. RAE put both proposals under public consultation under which the no 14 reference documents were obtained.

Because, thereafter, following the publication of no 339/2016 and no 349/2016 RAE Decisions (reference 16 and 19) for the approval of the Tariff Regulation for the Basic Activities of Transmission and LNG Facility, DESFA S.A. submitted to RAE the final proposal for the Tariffs for the use of the NNGS (reference 21).

Because, the draft that DESFA submitted is in accordance with the provisions of the Tariff Regulation and has been compiled based on the values of the parameters for the Recoverable Difference of the years 2006-2015 defined in Law 4409/2016 and the delegated hereof RAE Decision 344/2016 (reference 18).

Because, based on the final proposal of the Operator, the budgeted value for the recoverable difference of the year 2016 is approximately 41 million €. Therefore the Recoverable Difference for the years 2006-2016 amounts to 325.840.793,70 € (rounded to 325.840.794 €), of which 308.753.733,91 € will be recovered from the Transmission System and 17.087.059,79 € will be recovered from the LNG Facility.

Because, under the provisions of the Tariff Regulation, part of the recoverable difference for the years 2006-2016, at the amount of 3 million € per year, is recovered in the years 2017 and 2018, and is included in the required revenue of DESFA S.A. for the Basic

Activities of the Transmission System and the LNG Facility, for those years, as provided in the proposal DESFA S.A. submitted.

Because, RAE when considering the parameters for the calculation of Weighted Average Cost of Capital (WACC), and in accordance with the provisions of Article 6 of the Tariff Regulation, took into account information (historical and current values) and estimations from reliable international sources/information bases for the evolution of basic market data.

In particular, RAE estimates the cost of equity and debt, based on the following assumptions:

- a) Average Gearing ratio (G) : is equal to 22%, taking into account the present capital structure of the company, based on the Operator's proposal (proposal of DESFA SA is 19,94%) and the need for a balanced capital structure with incentive schemes for an adequate participation loans to the capital, to ensure the smooth operation of the company and consumer benefit.
- b) Tax Rate (TX) : is equal to the value of tax rate for SA companies in force at the time of issuing the decision, namely 29%.
- c) Debt Rate (DR) : given that the company submitted a proposal for debt rate equal to 4,46%, this proposal is considered reasonable and is taken into account as it is.
- d) Risk Free Rate (RFR) : is calculated as the average of the German 10-year government bond yield over the last twelve months up to July 2016 and takes value equal to 0,36%.
- e) Equity systematic risk coefficient (Beta factor) (β): the proposed value of the Operator (0,62) is essentially accepted as it is based on other comparable companies in the European Union. The parameter is formulated to 0, 60.
- f) Market Risk Premium (MRP): the value taken is equal to 5,23% and results from the examining and balancing both the yields of shares at a European level, that have been identified in reliable studies, and the proposal of the Operator for this parameter, taking into account that in the Tariff Regulation the country risk premium (CRP) is accounted additionally, a parameter that increases any yield arising from the Capital Asset Pricing Model (CAPM).
- g) Country Risk Premium (CRP): the value of 4% is taken into account. RAE, recognizing that values for this parameter are presently high, took the maximum value allowed in the Tariff Regulation, considering that, in the case that a

turnaround in the Greek economy will be achieved, according to the available forecasts of international organizations¹ regarding the country's recovery in the coming years, this parameter will be decreased in the coming years.

Because, considering all the above, the return on employed capital (RAB) of the Operator for the first two (2) years of the Regulatory Period , i.e. 2017 and 2018, is formulated to 9,22%, according to the following table:

Table – Approved Weighted Average Cost of Capital (WACC)

Risk Free Rate –(RFR)	0,36%
Market Risk Premium (MRP)	5,23%
Equity Beta factor (β)	0,60
Average Gearing ratio (G)	0,22
Country Risk Premium (CRP)	4,00%
Tax Rate (TX)	29,00%
Debt Cost (DR)	4,46%
WACC (nominal, pre-tax)	9,22%

Because, as defined in the Tariff Regulation (reference 16 and 19) the coefficients to facilitate short term contracts $\beta_{TRA,I}$ and β_{LNG} are introduced for the first time, and their values are defined with the approval of the tariffs decision. This value may be equal or less than one.

Therefore, taking into account: a) that the reduction of the cost of short-term contracts acts as an incentive for the mobilization of more users in a short term basis, facilitating the entry of the latter in the market, contributing to the development of competition, and thereby increasing the transmitted quantities in the NNGS, b) the tendency, due to the process of adopting the European Network Code on a harmonized structure for gas transmission tariffs (reference 8), for a maximum value for short-term multipliers to be equal to three (3) and with the aim to avoid large discrepancies of short-term coefficients between the entries and the exits of the NNGS, the Authority considers reasonable the value of 0,8, for $\beta_{TRA,I}$ and β_{LNG} coefficients.

¹E.U. European Economic Forecast- Spring 2016 and I.M.F. World Economic Outlook – October 2016

Because, DESFA SA submitted his final proposal (reference 21) relying on actual data and reasonable assumptions for the estimated figures. In any case, in accordance with the Tariff Regulation a revision of the tariffs and especially of the short-term coefficients may be done, in cases that a significant over or under recoverable difference will arise, based on the actual data of each year.

For the above reasons, decides:

1. Pursuant to paragraph 5 of Article 88 of Law 4001/2016, as in force, the approval of the Tariff for the use of NNGS submitted by DESFA (hereinafter the “Tariff”) with the content contained in the attachment to this document, which constitutes an integral part thereof. The Tariff applies from 1.1.2017, in accordance with the provisions of paragraph 3 of Article 61 of Law 4409/2016 (G.G. A’ 136/28.07.2016).
2. The notification of this decision to the European Commission.

Tariff for the use of the National Natural Gas System (NNGS)

1. Natural Gas Demand (par. 8 of Article 9 of Tariff Regulation)

The following Tables present the expected natural gas and LNG demand for the year 2017, which is used for the calculation of tariffs for the use of NNGS.

Year	Daily peak of Quantity delivered to each Entry (m ³ /day/year)			Daily peak of Quantity received by each Exit (m ³ /day/year)		
	Sidirokastro	Kipi	Ag. Triada	North East Zone	North Zone	South Zone
2017	9.600.000	2.300.000	6.462.703	17.414	4.679.429	18.086.371

Year	Sum of Quantities delivered to each Entry (m ³ /year)			Sum of Quantities received by each Exit (m ³ /year)		
	Sidirokastro	Kipi	Ag. Triada	North East Zone	North Zone	South Zone
2017	2.200.000.000	675.250.000	416.629.180	2.388.997	593.481.009	2.696.009.174

Year	Daily peak of LNG Quantity regasified at the LNG Facility (m ³ /day/year)	Total LNG Quantity regasified at the LNG Facility (m ³ /year)
2017	6.462.703	416.629.180

2. Required Revenue (par. 4 of Article 3A of Tariff Regulation)

Required Revenue per Basic Activity (€/Year)		
Year	Basic Activity of Transmission	Basic Activity of LNG Facility
2017	109.357.529	46.022.791
2018	110.665.901	48.980.461

3. A) Regulated Asset Base (par. 9 of Article 4 of Tariff Regulation)

Regulated Asset Base per Basic Activity (€/Year)		
Year	Basic Activity of Transmission	Basic Activity of LNG Facility
2017	570.334.048	290.343.746
2018	544.517.675	280.191.013

B) Scheduled capital expenditure for projects taken into account for the calculation of the Regulated Asset Base (par. 9 of Article 4 of Tariff Regulation)

Planned Investments (€)	2017	2018
Natural Gas H.P. Pipeline- Megalopoli	1.481.229	0
Pilot LNG Truck loading Station	2.500.000	0
2 nd Upgrade of the LNG Terminal in Revithoussa	96.576.145	1.858.735
Strimonochori- 2 nd upgrade BMS	552.505	0
Installation of M/R in Kavala	2.335.000	0
IT & SCADA	7.390.108	2.823.653
LNG boil-off gas compression station	1.566.000	0

In all cases, any grants and Connection Fees have been deducted.

C) The percentage of KK % (par. 5 of Article 4 of Tariff Regulation)

It is defined equal to 68%.

4. Weighted Average Cost of Capital (par. 7 of Article 6 of Tariff Regulation)

WACC nominal pre-tax is equal to **9,22%**

The parameters used to identify it, pursuant to Article 6 of Tariff Regulation are the following:

RFR (Risk Free Rate): 0,36%

CRP (Country Risk Premium): 4%

MRP (Market Risk Premium): 5,23%

β : (Beta): 0,6

TX (Tax Rate): 29%

G (Average Gearing Ratio): 22%

DR (Debt Rate): 4,46%

5. Projected Regulated Assets' Depreciation (par. 3 of Article 7 of Tariff Regulation)

Projected Regulated Assets' Depreciation per Basic Activity (€/Year)		
Year	Basic Activity of Transmission	Basic Activity of LNG Facility
2017	25.276.635	9.532.175
2018	28.640.026	12.895.566

6. Projected Regulated Operating Expenses (par. 7 of Article 7A of Tariff Regulation)

Projected Regulated Operating Expenses per Basic Activity (€/Year)		
Year	Basic Activity of Transmission	Basic Activity of LNG Facility
2017	31.496.094	9.720.923
2018	31.821.345	10.251.283

7. The LNG Facility Dispersion Percentage (SocLNG) (par.2 of Article 8 of Tariff Regulation)

It is defined equal to 75%.

8. The Required Revenue to be Recovered from each Basic Activity and from each Entry and Exit of the Transmission System is presented in the following tables (par. 3 of Article 8A of Tariff Regulation)

Required Revenue to be recovered by each Basic Activity (€/Year)		
Year	Basic Activity of Transmission	Basic Activity of LNG Facility
2017	146.749.623	11.630.698

9. Allocation of the Required Revenue to be recovered (par.1 of Article 10 of Tariff Regulation)

The Required Revenue to be Recovered from the Basic Activity of Transportation is allocated by 20% to the Entries and by 80% to the Exits of the Transmission System.

10. Percentages of further allocation of the Required Revenue to be Recovered to each Entry and Exit of the Transmission System (par. 2 and par. 5 of Article 10 of Tariff Regulation)

Percentages of further allocation of the Required Revenue to be Recovered - Entries	
Entry Sidirokastro	71,11%
Entry Kipi	17,78%
Entry Ag. Triada	11,11%

Percentages of further allocation of the Required Revenue to be Recovered - Exits	
Exit North East Zone	0,05%
Exit North Zone	13,10%
Exit South Zone	86,85%

11. Recoverable Difference of years 2006-2015 and budgeted Recoverable Difference for the year 2016 (par. 1c and par. 2c of Article 8A of Tariff Regulation)

Pursuant to Article 61 of Law 4409/2016 (G.G. A' 136/28.07.2016) the Recoverable Difference for the years 2006-2015 has been determined in the amount of 284.840.042,32 €, which, increased by the budgeted Recoverable Difference for the year 2016, equals to 325.840.794 €.

This amount is recovered by 308.753.733,91 € from the Transmission System and by 17.087.059,79 € from the LNG Facility.

12. Recoverable Difference per Basic Activity of NNGS (par.4 of Article 19A and par. 1b and 2b of Article 8A of Tariff Regulation)

In the Required Revenue to be Recovered indicated in the table of point 8 above, the Recoverable Difference foreseen in para. 1b and 2b of Article 8A of the Tariff Regulation is considered to be zero as it becomes applicable from the calculation of the tariff for the year 2018.

13. Coefficients for the calculation of the Transmission and LNG Facility tariffs (par. 11 of Article 11 of Tariff Regulation)

Tariff Coefficients for the year 2017:

A) COEFFICIENTS FOR THE RESERVED CAPACITY CHARGE

A1) for the Transmission System for each Entry and Exit

ΣΔMi (in €/kWh GCV /Day/Year)

ΣΔMi (€/KWh GCV/Day/Year)	2017
Entry Sidirokastro	0,1927255
Entry Kipi	0,1921027
Entry Ag. Triada	0,0418827
Exit North East Zone	0,2854250
Exit North Zone	0,2849859
Exit South Zone	0,4889661

A2) for the LNG Facility**ΣΔY (in €/kWh GCV / Day / Year)**

ΣΔY (€/KWh GCV/Day/Year)	2017
LNG Facility	0,14936733

B) COEFFICIENTS FOR THE COMMODITY CHARGEB1) for the Transmission System for each Entry and Exit**ΣEMi (in € / kWh GCV / Year)**

ΣEMi (€/KWh GCV/Year)	2017
Entry Sidirokastro	0,0001682
Entry Kipi	0,0001309
Entry Ag. Triada	0,0001299
Exit North East Zone	0,0004161
Exit North Zone	0,0004494
Exit South Zone	0,0006561

B2) for the LNG Facility**ΣEY (in € / kWh GCV / Year)**

ΣEY (€/KWh GCV/Year)	2017
LNG Facility	0,0004634

14. Coefficients TRACap and LNGCap (par. 9 of Article 11 of Tariff Regulation)

They are defined equal to 80%.

15. Coefficients to facilitate short-term contracts $\beta_{TRA,I}$ and β_{LNG} (par.10 of Article 11 of Tariff Regulation)

They are defined equal to 0, 8.

16. Entries and Exits change (par. 7 of Article 9 of Tariff Regulation)

There is no change in the Entries and the Exits of the Transmission System compared to the Tariff Regulation.

17. Short-term multipliers B (par. 4 of Article 13 of Tariff Regulation)

A) SHORT TERM CHARGE MULTIPLIERS B FOR THE ENTRY "SIDIROKASTRO"

	Daily Product, B(1)	Yearly Product, B(≥ 365)
Sidirokastro	1,6302	1

Monthly Product	Sidirokastro
January	1,5659
February*	1,5722
March	1,5659
April	1,5680
May	1,5659
June	1,5680
July	1,5659
August	1,5659
September	1,5680
October	1,5659
November	1,5680
December	1,5659

(*): For Leap Years the coefficient is equal to 1,5701

Quarterly Product	October – December	January – March (*)	April – June	July – September
Sidirokastro	1,4427	1,4466	1,4447	1,4427

(*): For Leap Years the coefficient is equal to 1,4447

B) SHORT TERM MULTIPLIERS B FOR THE ENTRY “KIPI”

The multiplier B is calculated based on the function $B_{(d)} = a \cdot e^{-bd}$, ($B_{d \geq 365} = 1$) where a, b are constant parameters and d is the duration of the Short-term Contract in Days for the use of the Entry “Kipi”.

The parameters for the calculation of the multiplier B are:

$$a = 1,632429$$

$$b = 0,001343$$

The following table presents the values of the multiplier B, according to the number of Days of the Short-term Contract.

d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)
1	1,6302	61	1,5041	121	1,3876	181	1,2802	241	1,1812	301	1,0897	361	1,0054
2	1,6281	62	1,5020	122	1,3858	182	1,2785	242	1,1796	302	1,0883	362	1,0040
3	1,6259	63	1,5000	123	1,3839	183	1,2768	243	1,1780	303	1,0868	363	1,0027
4	1,6237	64	1,4980	124	1,3821	184	1,2751	244	1,1764	304	1,0853	364	1,0013
5	1,6215	65	1,4960	125	1,3802	185	1,2734	245	1,1748	305	1,0839	365	1
6	1,6193	66	1,4940	126	1,3784	186	1,2717	246	1,1732	306	1,0824		
7	1,6172	67	1,4920	127	1,3765	187	1,2700	247	1,1717	307	1,0810		
8	1,6150	68	1,4900	128	1,3747	188	1,2683	248	1,1701	308	1,0795		
9	1,6128	69	1,4880	129	1,3728	189	1,2666	249	1,1685	309	1,0781		
10	1,6107	70	1,4860	130	1,3710	190	1,2649	250	1,1670	310	1,0766		
11	1,6085	71	1,4840	131	1,3691	191	1,2632	251	1,1654	311	1,0752		
12	1,6063	72	1,4820	132	1,3673	192	1,2615	252	1,1638	312	1,0738		
13	1,6042	73	1,4800	133	1,3655	193	1,2598	253	1,1623	313	1,0723		
14	1,6020	74	1,4780	134	1,3636	194	1,2581	254	1,1607	314	1,0709		
15	1,5999	75	1,4761	135	1,3618	195	1,2564	255	1,1592	315	1,0694		
16	1,5977	76	1,4741	136	1,3600	196	1,2547	256	1,1576	316	1,0680		
17	1,5956	77	1,4721	137	1,3582	197	1,2530	257	1,1560	317	1,0666		
18	1,5934	78	1,4701	138	1,3563	198	1,2514	258	1,1545	318	1,0651		
19	1,5913	79	1,4681	139	1,3545	199	1,2497	259	1,1529	319	1,0637		
20	1,5892	80	1,4662	140	1,3527	200	1,2480	260	1,1514	320	1,0623		
21	1,5870	81	1,4642	141	1,3509	201	1,2463	261	1,1499	321	1,0609		
22	1,5849	82	1,4622	142	1,3491	202	1,2446	262	1,1483	322	1,0594		
23	1,5828	83	1,4603	143	1,3473	203	1,2430	263	1,1468	323	1,0580		
24	1,5807	84	1,4583	144	1,3454	204	1,2413	264	1,1452	324	1,0566		
25	1,5785	85	1,4564	145	1,3436	205	1,2396	265	1,1437	325	1,0552		
26	1,5764	86	1,4544	146	1,3418	206	1,2380	266	1,1422	326	1,0538		
27	1,5743	87	1,4525	147	1,3400	207	1,2363	267	1,1406	327	1,0523		
28	1,5722	88	1,4505	148	1,3382	208	1,2347	268	1,1391	328	1,0509		
29	1,5701	89	1,4486	149	1,3364	209	1,2330	269	1,1376	329	1,0495		
30	1,5680	90	1,4466	150	1,3347	210	1,2314	270	1,1360	330	1,0481		
31	1,5659	91	1,4447	151	1,3329	211	1,2297	271	1,1345	331	1,0467		
32	1,5638	92	1,4427	152	1,3311	212	1,2280	272	1,1330	332	1,0453		
33	1,5617	93	1,4408	153	1,3293	213	1,2264	273	1,1315	333	1,0439		
34	1,5596	94	1,4389	154	1,3275	214	1,2248	274	1,1300	334	1,0425		
35	1,5575	95	1,4369	155	1,3257	215	1,2231	275	1,1284	335	1,0411		
36	1,5554	96	1,4350	156	1,3239	216	1,2215	276	1,1269	336	1,0397		
37	1,5533	97	1,4331	157	1,3222	217	1,2198	277	1,1254	337	1,0383		
38	1,5512	98	1,4312	158	1,3204	218	1,2182	278	1,1239	338	1,0369		
39	1,5491	99	1,4292	159	1,3186	219	1,2166	279	1,1224	339	1,0355		
40	1,5471	100	1,4273	160	1,3169	220	1,2149	280	1,1209	340	1,0341		
41	1,5450	101	1,4254	161	1,3151	221	1,2133	281	1,1194	341	1,0327		
42	1,5429	102	1,4235	162	1,3133	222	1,2117	282	1,1179	342	1,0314		
43	1,5409	103	1,4216	163	1,3116	223	1,2100	283	1,1164	343	1,0300		
44	1,5388	104	1,4197	164	1,3098	224	1,2084	284	1,1149	344	1,0286		
45	1,5367	105	1,4178	165	1,3080	225	1,2068	285	1,1134	345	1,0272		
46	1,5347	106	1,4159	166	1,3063	226	1,2052	286	1,1119	346	1,0258		
47	1,5326	107	1,4140	167	1,3045	227	1,2036	287	1,1104	347	1,0245		
48	1,5305	108	1,4121	168	1,3028	228	1,2019	288	1,1089	348	1,0231		
49	1,5285	109	1,4102	169	1,3010	229	1,2003	289	1,1074	349	1,0217		
50	1,5264	110	1,4083	170	1,2993	230	1,1987	290	1,1059	350	1,0203		
51	1,5244	111	1,4064	171	1,2975	231	1,1971	291	1,1045	351	1,0190		
52	1,5223	112	1,4045	172	1,2958	232	1,1955	292	1,1030	352	1,0176		
53	1,5203	113	1,4026	173	1,2941	233	1,1939	293	1,1015	353	1,0162		
54	1,5183	114	1,4007	174	1,2923	234	1,1923	294	1,1000	354	1,0149		
55	1,5162	115	1,3989	175	1,2906	235	1,1907	295	1,0985	355	1,0135		
56	1,5142	116	1,3970	176	1,2889	236	1,1891	296	1,0971	356	1,0122		
57	1,5122	117	1,3951	177	1,2871	237	1,1875	297	1,0956	357	1,0108		
58	1,5101	118	1,3932	178	1,2854	238	1,1859	298	1,0941	358	1,0094		
59	1,5081	119	1,3914	179	1,2837	239	1,1843	299	1,0927	359	1,0081		
60	1,5061	120	1,3895	180	1,2820	240	1,1827	300	1,0912	360	1,0067		

C) SHORT TERM MULTIPLIERS B FOR THE ENTRY “AGIA TRIADA” AND FOR THE BASIC ACTIVITY OF LNG FACILITY

The multiplier B is calculated based on the function $B_{(d)} = a \cdot e^{-bd}$, ($B_{d \geq 365} = 1$) where a, b are constant parameters and d is the duration of the Short-term Contract in Days for the use of the Entry “Agia Triada” or the use of the LNG Facility.

The parameters for the calculation of the multiplier B are:

$$a = 2,792322$$

$$b = 0,002813$$

The following table presents the values of the multiplier B, according to the number of Days of the Short-term Contract.

d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)
1	2,7845	61	2,3520	121	1,9867	181	1,6781	241	1,4174	301	1,1973	361	1,0113
2	2,7767	62	2,3454	122	1,9811	182	1,6734	242	1,4135	302	1,1939	362	1,0085
3	2,7689	63	2,3388	123	1,9755	183	1,6687	243	1,4095	303	1,1906	363	1,0056
4	2,7611	64	2,3322	124	1,9700	184	1,6640	244	1,4055	304	1,1872	364	1,0028
5	2,7533	65	2,3257	125	1,9644	185	1,6593	245	1,4016	305	1,1839	365	1
6	2,7456	66	2,3191	126	1,9589	186	1,6547	246	1,3976	306	1,1806		
7	2,7379	67	2,3126	127	1,9534	187	1,6500	247	1,3937	307	1,1772		
8	2,7302	68	2,3061	128	1,9479	188	1,6454	248	1,3898	308	1,1739		
9	2,7225	69	2,2996	129	1,9425	189	1,6407	249	1,3859	309	1,1706		
10	2,7149	70	2,2932	130	1,9370	190	1,6361	250	1,3820	310	1,1673		
11	2,7072	71	2,2867	131	1,9316	191	1,6315	251	1,3781	311	1,1641		
12	2,6996	72	2,2803	132	1,9261	192	1,6270	252	1,3743	312	1,1608		
13	2,6920	73	2,2739	133	1,9207	193	1,6224	253	1,3704	313	1,1575		
14	2,6845	74	2,2675	134	1,9153	194	1,6178	254	1,3665	314	1,1543		
15	2,6769	75	2,2611	135	1,9099	195	1,6133	255	1,3627	315	1,1510		
16	2,6694	76	2,2548	136	1,9046	196	1,6087	256	1,3589	316	1,1478		
17	2,6619	77	2,2485	137	1,8992	197	1,6042	257	1,3551	317	1,1446		
18	2,6544	78	2,2421	138	1,8939	198	1,5997	258	1,3512	318	1,1414		
19	2,6470	79	2,2358	139	1,8886	199	1,5952	259	1,3475	319	1,1382		
20	2,6395	80	2,2296	140	1,8833	200	1,5907	260	1,3437	320	1,1350		
21	2,6321	81	2,2233	141	1,8780	201	1,5863	261	1,3399	321	1,1318		
22	2,6247	82	2,2171	142	1,8727	202	1,5818	262	1,3361	322	1,1286		
23	2,6174	83	2,2108	143	1,8674	203	1,5774	263	1,3324	323	1,1254		
24	2,6100	84	2,2046	144	1,8622	204	1,5729	264	1,3286	324	1,1223		
25	2,6027	85	2,1984	145	1,8570	205	1,5685	265	1,3249	325	1,1191		
26	2,5954	86	2,1922	146	1,8517	206	1,5641	266	1,3212	326	1,1160		
27	2,5881	87	2,1861	147	1,8465	207	1,5597	267	1,3175	327	1,1128		
28	2,5808	88	2,1799	148	1,8413	208	1,5553	268	1,3138	328	1,1097		
29	2,5736	89	2,1738	149	1,8362	209	1,5510	269	1,3101	329	1,1066		
30	2,5663	90	2,1677	150	1,8310	210	1,5466	270	1,3064	330	1,1035		
31	2,5591	91	2,1616	151	1,8259	211	1,5423	271	1,3027	331	1,1004		
32	2,5519	92	2,1555	152	1,8207	212	1,5379	272	1,2991	332	1,0973		
33	2,5448	93	2,1495	153	1,8156	213	1,5336	273	1,2954	333	1,0942		
34	2,5376	94	2,1435	154	1,8105	214	1,5293	274	1,2918	334	1,0911		
35	2,5305	95	2,1374	155	1,8054	215	1,5250	275	1,2881	335	1,0881		
36	2,5234	96	2,1314	156	1,8004	216	1,5207	276	1,2845	336	1,0850		
37	2,5163	97	2,1254	157	1,7953	217	1,5165	277	1,2809	337	1,0820		
38	2,5092	98	2,1195	158	1,7903	218	1,5122	278	1,2773	338	1,0789		
39	2,5022	99	2,1135	159	1,7852	219	1,5079	279	1,2737	339	1,0759		
40	2,4951	100	2,1076	160	1,7802	220	1,5037	280	1,2701	340	1,0729		
41	2,4881	101	2,1017	161	1,7752	221	1,4995	281	1,2666	341	1,0699		
42	2,4811	102	2,0958	162	1,7702	222	1,4953	282	1,2630	342	1,0668		
43	2,4742	103	2,0899	163	1,7653	223	1,4911	283	1,2595	343	1,0638		
44	2,4672	104	2,0840	164	1,7603	224	1,4869	284	1,2559	344	1,0609		
45	2,4603	105	2,0781	165	1,7554	225	1,4827	285	1,2524	345	1,0579		
46	2,4534	106	2,0723	166	1,7504	226	1,4785	286	1,2489	346	1,0549		
47	2,4465	107	2,0665	167	1,7455	227	1,4744	287	1,2454	347	1,0519		
48	2,4396	108	2,0607	168	1,7406	228	1,4702	288	1,2419	348	1,0490		
49	2,4327	109	2,0549	169	1,7357	229	1,4661	289	1,2384	349	1,0460		
50	2,4259	110	2,0491	170	1,7308	230	1,4620	290	1,2349	350	1,0431		
51	2,4191	111	2,0434	171	1,7260	231	1,4579	291	1,2314	351	1,0402		
52	2,4123	112	2,0376	172	1,7211	232	1,4538	292	1,2280	352	1,0373		
53	2,4055	113	2,0319	173	1,7163	233	1,4497	293	1,2245	353	1,0343		
54	2,3988	114	2,0262	174	1,7115	234	1,4456	294	1,2211	354	1,0314		
55	2,3920	115	2,0205	175	1,7067	235	1,4416	295	1,2177	355	1,0285		
56	2,3853	116	2,0148	176	1,7019	236	1,4375	296	1,2142	356	1,0256		
57	2,3786	117	2,0091	177	1,6971	237	1,4335	297	1,2108	357	1,0228		
58	2,3719	118	2,0035	178	1,6923	238	1,4295	298	1,2074	358	1,0199		
59	2,3653	119	1,9979	179	1,6876	239	1,4254	299	1,2040	359	1,0170		
60	2,3586	120	1,9923	180	1,6828	240	1,4214	300	1,2007	360	1,0142		

D) SHORT TERM MULTIPLIERS B FOR THE EXITS OF THE TRANSMISSION SYSTEM

The multiplier B is calculated based on the function $B_{(d)} = a \cdot e^{-bd}$, ($B_{d \geq 365} = 1$) where a, b are constant parameters and d is the duration of the Short-term Contract in Days for the use of the Exits of Transmission System.

The parameters for the calculation of the multiplier B are:

$$a = 3,031928$$

$$b = 0,003039$$

The following table presents the values of the multiplier B, according to the number of Days of the Short-term Contract.

d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)	d	B(d)
1	3,0227	61	2,5189	121	2,0991	181	1,7492	241	1,4576	301	1,2147	361	1,0122
2	3,0136	62	2,5113	122	2,0927	182	1,7439	242	1,4532	302	1,2110	362	1,0092
3	3,0044	63	2,5036	123	2,0863	183	1,7386	243	1,4488	303	1,2073	363	1,0061
4	2,9953	64	2,4960	124	2,0800	184	1,7333	244	1,4444	304	1,2037	364	1,0030
5	2,9862	65	2,4885	125	2,0737	185	1,7281	245	1,4400	305	1,2000	365	1
6	2,9771	66	2,4809	126	2,0674	186	1,7228	246	1,4357	306	1,1964		
7	2,9681	67	2,4734	127	2,0611	187	1,7176	247	1,4313	307	1,1927		
8	2,9591	68	2,4659	128	2,0549	188	1,7124	248	1,4270	308	1,1891		
9	2,9501	69	2,4584	129	2,0486	189	1,7072	249	1,4226	309	1,1855		
10	2,9412	70	2,4510	130	2,0424	190	1,7020	250	1,4183	310	1,1819		
11	2,9323	71	2,4435	131	2,0362	191	1,6968	251	1,4140	311	1,1783		
12	2,9234	72	2,4361	132	2,0301	192	1,6917	252	1,4097	312	1,1748		
13	2,9145	73	2,4287	133	2,0239	193	1,6866	253	1,4054	313	1,1712		
14	2,9056	74	2,4213	134	2,0178	194	1,6814	254	1,4012	314	1,1676		
15	2,8968	75	2,4140	135	2,0116	195	1,6763	255	1,3969	315	1,1641		
16	2,8880	76	2,4067	136	2,0055	196	1,6713	256	1,3927	316	1,1606		
17	2,8793	77	2,3994	137	1,9994	197	1,6662	257	1,3885	317	1,1570		
18	2,8705	78	2,3921	138	1,9934	198	1,6611	258	1,3843	318	1,1535		
19	2,8618	79	2,3848	139	1,9873	199	1,6561	259	1,3801	319	1,1500		
20	2,8531	80	2,3776	140	1,9813	200	1,6511	260	1,3759	320	1,1465		
21	2,8445	81	2,3704	141	1,9753	201	1,6461	261	1,3717	321	1,1431		
22	2,8359	82	2,3632	142	1,9693	202	1,6411	262	1,3675	322	1,1396		
23	2,8272	83	2,3560	143	1,9633	203	1,6361	263	1,3634	323	1,1361		
24	2,8187	84	2,3489	144	1,9574	204	1,6311	264	1,3592	324	1,1327		
25	2,8101	85	2,3417	145	1,9514	205	1,6262	265	1,3551	325	1,1293		
26	2,8016	86	2,3346	146	1,9455	206	1,6212	266	1,3510	326	1,1258		
27	2,7931	87	2,3275	147	1,9396	207	1,6163	267	1,3469	327	1,1224		
28	2,7846	88	2,3205	148	1,9337	208	1,6114	268	1,3428	328	1,1190		
29	2,7762	89	2,3134	149	1,9278	209	1,6065	269	1,3387	329	1,1156		
30	2,7677	90	2,3064	150	1,9220	210	1,6016	270	1,3347	330	1,1122		
31	2,7593	91	2,2994	151	1,9162	211	1,5968	271	1,3306	331	1,1088		
32	2,7510	92	2,2924	152	1,9103	212	1,5919	272	1,3266	332	1,1055		
33	2,7426	93	2,2855	153	1,9046	213	1,5871	273	1,3226	333	1,1021		
34	2,7343	94	2,2786	154	1,8988	214	1,5823	274	1,3186	334	1,0988		
35	2,7260	95	2,2716	155	1,8930	215	1,5775	275	1,3146	335	1,0955		
36	2,7177	96	2,2647	156	1,8873	216	1,5727	276	1,3106	336	1,0921		
37	2,7095	97	2,2579	157	1,8815	217	1,5679	277	1,3066	337	1,0888		
38	2,7013	98	2,2510	158	1,8758	218	1,5632	278	1,3026	338	1,0855		
39	2,6931	99	2,2442	159	1,8701	219	1,5584	279	1,2987	339	1,0822		
40	2,6849	100	2,2374	160	1,8645	220	1,5537	280	1,2947	340	1,0789		
41	2,6768	101	2,2306	161	1,8588	221	1,5490	281	1,2908	341	1,0757		
42	2,6686	102	2,2238	162	1,8532	222	1,5443	282	1,2869	342	1,0724		
43	2,6605	103	2,2171	163	1,8475	223	1,5396	283	1,2830	343	1,0691		
44	2,6525	104	2,2104	164	1,8419	224	1,5349	284	1,2791	344	1,0659		
45	2,6444	105	2,2036	165	1,8364	225	1,5303	285	1,2752	345	1,0627		
46	2,6364	106	2,1970	166	1,8308	226	1,5256	286	1,2713	346	1,0594		
47	2,6284	107	2,1903	167	1,8252	227	1,5210	287	1,2675	347	1,0562		
48	2,6204	108	2,1836	168	1,8197	228	1,5164	288	1,2636	348	1,0530		
49	2,6125	109	2,1770	169	1,8142	229	1,5118	289	1,2598	349	1,0498		
50	2,6045	110	2,1704	170	1,8087	230	1,5072	290	1,2560	350	1,0466		
51	2,5966	111	2,1638	171	1,8032	231	1,5026	291	1,2522	351	1,0435		
52	2,5888	112	2,1573	172	1,7977	232	1,4981	292	1,2484	352	1,0403		
53	2,5809	113	2,1507	173	1,7922	233	1,4935	293	1,2446	353	1,0371		
54	2,5731	114	2,1442	174	1,7868	234	1,4890	294	1,2408	354	1,0340		
55	2,5653	115	2,1377	175	1,7814	235	1,4845	295	1,2370	355	1,0309		
56	2,5575	116	2,1312	176	1,7760	236	1,4800	296	1,2333	356	1,0277		
57	2,5497	117	2,1247	177	1,7706	237	1,4755	297	1,2295	357	1,0246		
58	2,5420	118	2,1183	178	1,7652	238	1,4710	298	1,2258	358	1,0215		
59	2,5343	119	2,1119	179	1,7599	239	1,4665	299	1,2221	359	1,0184		
60	2,5266	120	2,1055	180	1,7545	240	1,4621	300	1,2184	360	1,0153		

- 18. The Tariff for the use of an Exit Point of Transmission System servicing a New Costumer during the Trial Operation Period for the first year of the Tariff Calculation Period (2017), is in accordance with the following Coefficients (par. 3 of Article 16 of Tariff Regulation)**

ΧΝΠi (€/KWh GCV)	2017
i = Nort East Zone	0,0020806
i = North Zone	0,0022470
i = South Zone	0,0032803

- 19. Percentage surcharge p % (par. 4 of Article 17 of Tariff Regulation)**

It is defined equal to 20%.

This decision to be published in the Government Gazette

Athens, October 8, 2016

The President

NIKOLAOS BOULAXIS