

Consultation on discounts, multipliers, and seasonal factors

on the basis of Article 28 of Commission Regulation (EU) 2017/460 of 16 March 2017
establishing a network code on harmonised transmission tariff structures for gas

Annex 1

Determination of seasonal factors for the tariff period 2022

Consultation document

Maribor, January 2021
www.agen-rs.si

Determination of seasonal factors for the tariff period 2022
in line with Article 15 of Commission Regulation (EU) 2017/460

of 16 March 2017 establishing a network code on harmonised transmission tariff structures for gas

Calculation parameters

	Values
Multipliers for quarterly standard capacity products	1,40
Multipliers for monthly standard capacity products (max 1.5)	1,45
Multipliers for daily standard capacity products (max 3)	2,75
Multipliers for the within-day standard capacity products (max 3)	2,80
Power E (0 ≤ E ≤ 2)	1,50

Average hourly allocation for each month [kWh]

Gas month	Year				
	2017	2018	2019	2020	2021*
January	4.113.393	1.928.091	2.180.330	2.720.093	2.043.355
February	3.561.373	2.415.538	2.047.408	2.450.374	1.896.939
March	2.789.540	2.155.368	1.696.179	2.282.308	1.619.753
April	2.458.143	1.287.682	1.782.138	1.573.946	1.162.035
May	2.234.460	1.117.252	1.418.603	1.400.334	1.241.649
June	2.372.119	1.080.306	1.195.936	1.488.962	1.211.011
July	2.512.084	1.080.618	1.095.001	1.689.184	1.191.401
August	2.642.508	1.065.726	1.926.346	2.912.168	1.639.358
September	2.425.372	1.247.158	1.809.140	1.567.105	1.258.829
October	1.822.004	1.354.084	2.075.916	1.380.980	1.308.122
November	1.938.261	1.624.198	2.313.217	1.720.756	1.569.799
December	2.438.053	1.936.662	2.369.778	1.755.993	1.606.888
Average	2.608.942	1.524.390	1.825.833	1.911.850	1.479.095

* part of data for 2020 determined on the basis of forecasted flows.

The prescribed calculation procedure in line with Article 15 (paragraph from 2 to 5)

Note: The procedure for calculating seasonal factors for monthly standard capacity products for firm capacity is based on the forecasted flows

Article 15 (3) points a & b

- (a) "the average data on the forecasted flows or the forecasted contracted capacity, where the seasonal factors are calculated for some or all of the interconnection points"
(b) the resulting values referred to in point (a) shall be summed up"

Gas month	Forecasted average hourly gas flow in 2021 [kWh]
January	2.212.736
February	2.129.952
March	1.841.697
April	1.343.355
May	1.324.098
June	1.281.126
July	1.213.906
August	1.587.043
September	1.286.967
October	1.473.276
November	1.756.045
December	1.824.884
Sum	19.275.083

Article 15 (3) point c

"the usage rate shall be calculated by dividing each of the resulting values referred to in point (a) by the resulting value referred to in point (b);

Gas month	The usage rate	Correction of the usage rate In case the value is 0
January	0,115	0,115
February	0,111	0,111
March	0,096	0,096
April	0,070	0,070
May	0,069	0,069
June	0,066	0,066
July	0,063	0,063
August	0,082	0,082
September	0,067	0,067
October	0,076	0,076
November	0,091	0,091
December	0,095	0,095

Determination of seasonal factors for the tariff period 2022
in line with Article 15 of Commission Regulation (EU) 2017/460

of 16 March 2017 establishing a network code on harmonised transmission tariff structures for gas

Article 15(3) point d

"each of the resulting values referred to in point (c) shall be multiplied by 12. Where the resulting values are equal to 0, these values shall be adjusted to whichever of the following is the lower: 0,1 or the lowest of the resulting values other than 0"

Gas month	The usage rate x 12
January	1,378
February	1,326
March	1,147
April	0,836
May	0,824
June	0,798
July	0,756
August	0,988
September	0,801
October	0,917
November	1,093
December	1,136

Article 15(3) point e

"the initial level of the respective seasonal factors shall be calculated by raising each of the resulting values referred to in point (d) to the same power which is no less than 0 and no more than 2"

Gas month	Seasonal factor
January	1,617
February	1,527
March	1,228
April	0,765
May	0,748
June	0,712
July	0,657
August	0,982
September	0,717
October	0,878
November	1,143
December	1,211

Article 15(3) point f

"the arithmetic mean of the products of the resulting values referred to in point (e) and the multiplier for monthly standard capacity products shall be calculated"

Gas month	The initial level of a seasonal factor x multiplier		
	Monthly	Daily	Within-day
January	2,344	4,446	4,527
February	2,214	4,199	4,276
March	1,780	3,376	3,438
April	1,109	2,103	2,142
May	1,085	2,058	2,096
June	1,033	1,959	1,994
July	0,953	1,807	1,840
August	1,424	2,701	2,750
September	1,040	1,972	2,008
October	1,274	2,416	2,460
November	1,657	3,144	3,201
December	1,756	3,330	3,391
Average	1,472	2,793	2,843

Article 15(3) point g

"the resulting value referred to in point (f) shall be compared with the range referred to in Article 13(1), as follows:

(i) if this value falls within this range then the level of seasonal factors shall be equal to with the respective resulting values referred to in point (e); (ii) if this value falls outside of this range then point (h) shall apply"

Article 15(3) point h

"the level of seasonal factors shall be calculated as the product of the respective resulting values referred to in point (e) and the correction factor calculated as follows:

i) where the resulting value referred to in point (f) is more than 1.5, the correction factor shall be calculated as 1.5 divided by this value; ii) where the resulting value referred to in point (f) is less than 1, the correction factor shall be calculated as 1 divided by this value."

	Monthly	Daily	Within-day
Correction factor	1,019	1,074	1,055

Gas month	Seasonal factor		
	Monthly	Daily	Within-day
January	1,617	1,617	1,617
February	1,527	1,527	1,527
March	1,228	1,228	1,228
April	0,765	0,765	0,765
May	0,748	0,748	0,748
June	0,712	0,712	0,712
July	0,657	0,657	0,657
August	0,982	0,982	0,982
September	0,717	0,717	0,717
October	0,878	0,878	0,878
November	1,143	1,143	1,143
December	1,211	1,211	1,211

**Determination of seasonal factors for the tariff period 2022
in line with Article 15 of Commission Regulation (EU) 2017/460**

of 16 March 2017 establishing a network code on harmonised transmission tariff structures for gas

Article 15(4)

"For daily standard capacity products for firm capacity and within-day standard capacity products for firm capacity, the seasonal factors shall be calculated by carrying out the steps set out in paragraph 3(f) to (h), mutatis mutandis."

Article 15(5)

"For quarterly standard capacity products for firm capacity, the seasonal factors shall be calculated in sequential steps as follows:

(a) the initial level of the respective seasonal factors shall be calculated as either of the following:

(i) equal to the arithmetic mean of the respective seasonal factors applicable for the three relevant months;

(ii) no less than the lowest and no more than the highest level of the respective seasonal factors applicable for the three relevant months."

"(b) the steps set out in paragraph 3(f) to (h) shall be carried out, using the resulting values referred to in point (a), mutatis mutandis."

Gas quarter	(i) Arithmetic mean	(ii) Minimum <=seasonal factor <= maximum		Sezonski faktor _(ii)
	Seasonal factor _(i)	Seasonal factor _{minimum}	Seasonal factor _{maximum}	
Q2	1,457	1,228	1,617	1,617
Q3	0,742	0,712	0,765	0,751
Q4	0,785	0,657	0,982	0,714
Q1	1,077	0,878	1,211	1,211

Selected initial level of the respective seasonal factors is calculated as:

(ii) Minimum <=seasonal factor <= maximum

Article 15(6)

"For all non-yearly standard capacity products for firm capacity, the values resulting from the calculation referred to in paragraphs 3 to 5 may be rounded up or down."

Gas month	Forecasted average hourly gas flow in 2021 [kWh]	Seasonal factor			
		Quarterly	Monthly	Daily	Within-day
January	2.212.736	1,617	1,617	1,617	1,617
February	2.129.952	1,617	1,527	1,527	1,527
March	1.841.697	1,617	1,228	1,228	1,228
April	1.343.355	0,751	0,765	0,765	0,765
May	1.324.098	0,751	0,748	0,748	0,748
June	1.281.126	0,751	0,712	0,712	0,712
July	1.213.906	0,714	0,657	0,657	0,657
August	1.587.043	0,714	0,982	0,982	0,982
September	1.286.967	0,714	0,717	0,717	0,717
October	1.473.276	1,211	0,878	0,878	0,878
November	1.756.045	1,211	1,143	1,143	1,143
December	1.824.884	1,211	1,211	1,211	1,211