

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 2021

Consultation document

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**Determination of seasonal factors for the tariff period 2021
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				
	2016	2017	2018	2019	2020*
January	3.503.571	4.109.501	1.934.169	2.180.330	2.720.093
February	3.113.581	3.561.373	2.415.538	2.047.408	2.447.766
March	3.050.856	2.789.540	2.155.368	1.696.179	2.275.575
April	2.433.621	2.458.143	1.287.682	1.782.138	1.685.597
May	1.961.700	2.234.460	1.117.252	1.418.603	1.492.460
June	2.078.703	2.372.119	1.080.306	1.195.936	1.456.844
July	1.356.023	2.512.084	1.080.618	1.095.001	1.380.157
August	1.939.460	2.642.508	1.065.726	1.926.346	1.367.583
September	2.327.988	2.425.372	1.247.158	1.809.140	1.513.449
October	2.934.093	1.822.004	1.354.084	2.075.916	1.748.418
November	3.323.802	1.938.261	1.624.198	2.313.217	2.110.376
December	3.578.220	2.438.053	1.936.662	2.369.778	2.296.485
Average	2.633.468	2.608.618	1.524.897	1.825.833	1.874.567

* 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 2020 [kWh]
January	2.720.093
February	2.447.766
March	2.275.575
April	1.685.597
May	1.492.460
June	1.456.844
July	1.380.157
August	1.367.583
September	1.513.449
October	1.748.418
November	2.110.376
December	2.296.485
Sum	22.494.801

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	0,121	0,121
February	0,109	0,109
March	0,101	0,101
April	0,075	0,075
May	0,066	0,066
June	0,065	0,065
July	0,061	0,061
August	0,061	0,061
September	0,067	0,067
October	0,078	0,078
November	0,094	0,094
December	0,102	0,102

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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	1,451
February	1,306
March	1,214
April	0,899
May	0,796
June	0,777
July	0,736
August	0,730
September	0,807
October	0,933
November	1,126
December	1,225

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	1,748
February	1,492
March	1,337
April	0,853
May	0,710
June	0,685
July	0,632
August	0,623
September	0,725
October	0,901
November	1,195
December	1,356

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	2,534	4,807	4,894
February	2,164	4,103	4,178
March	1,939	3,678	3,745
April	1,236	2,345	2,387
May	1,030	1,954	1,989
June	0,993	1,884	1,918
July	0,916	1,737	1,769
August	0,904	1,714	1,745
September	1,052	1,995	2,031
October	1,306	2,477	2,522
November	1,732	3,285	3,345
December	1,966	3,729	3,797
Average	1,481	2,809	2,860

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	1,013	1,068	1,049

Gas month	Seasonal factor		
	Monthly	Daily	Within-day
January	1,748	1,748	1,748
February	1,492	1,492	1,492
March	1,337	1,337	1,337
April	0,853	0,853	0,853
May	0,710	0,710	0,710
June	0,685	0,685	0,685
July	0,632	0,632	0,632
August	0,623	0,623	0,623
September	0,725	0,725	0,725
October	0,901	0,901	0,901
November	1,195	1,195	1,195
December	1,356	1,356	1,356

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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	Seasonal factor	(ii) Minimum <=seasonal factor <= maximum	
		Seasonal factor _{minimum}	Seasonal factor _{maximum}
Q2	1,526	1,337	1,748
Q3	0,749	0,685	0,853
Q4	0,660	0,623	0,725
Q1	1,150	0,901	1,356

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 2020 [kWh]	Seasonal factor			
		Quarterly	Monthly	Daily	Within-day
January	2.720.093	1,526	1,748	1,748	1,748
February	2.447.766	1,526	1,492	1,492	1,492
March	2.275.575	1,526	1,337	1,337	1,337
April	1.685.597	0,749	0,853	0,853	0,853
May	1.492.460	0,749	0,710	0,710	0,710
June	1.456.844	0,749	0,685	0,685	0,685
July	1.380.157	0,660	0,632	0,632	0,632
August	1.367.583	0,660	0,623	0,623	0,623
September	1.513.449	0,660	0,725	0,725	0,725
October	1.748.418	1,150	0,901	0,901	0,901
November	2.110.376	1,150	1,195	1,195	1,195
December	2.296.485	1,150	1,356	1,356	1,356