

Publication according to NC TAR

| TAR NC | Content | Description |
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| Art. 30 (1)(a) | Information on parameters used in the applied reference price methodology related to the technical characteristics of the transmission system | http://www.grtgaz-deutschland.de/de/system/files/dokumente/20171128_simplifiedmodel_grtgaz_deutschland.xls <p style="text-align: right;">All used input parameters (i.e. forecasted contracted capacity and spread between exit tariff zones) are included in the simplified model.</p> |
| Art. 30 (1)(a)i) | Technical capacity at entry and exit points and associated assumptions | n.a |
| Art. 30 (1)(a)ii) | Forecast contracted capacity at entry and exit points and associated assumptions | <p>The forecasted booked capacity is weighted and takes into account BEATE Factors as well as the corresponding discounts for interruptible capacities and special products.</p> <p style="text-align: right;">Forecasted booked capacity in Entry direction :18,625,159 kWh/h/a</p> <p style="text-align: right;">Forecasted booked capacities in Exit direction :13,242,838 kWh/h/a</p> |
| Art. 30 (1)(a)iii) | The quantity and the direction of the gas flow for entry and exit points and associated assumptions | n.a. |
| Art. 30 (1)(a)iv) | The structural representation of the transmission network with an | http://www.grtgaz-deutschland.de/en/transparency/technicalparameters |
| Art. 30 (1)(a)v) | Additional technical information about the transmission network, such as the length and the diameter of pipelines and the power of compressor stations | http://www.grtgaz-deutschland.de/en/system/files/dokumente/megal_map_gasflussrichtung_1611_en_0.pdf http://www.grtgaz-deutschland.de/de/node/1058 |
| Art. 30 (1)(b)(i) | Information on the allowed and/or target revenue | <p>The allowed revenues of GRTgaz Deutschland for 2018 are:</p> <p style="text-align: right;">95,255,418 €</p> |
| Art. 30 (1)(b)(ii) | Information related to changes in the revenue | -20,114 € |
| Art. 30 (1)(b)(iii) | Information related the following Parameters: types of assets, cost of capital, capital and operational expenditures, incentive mechanisms and efficiency targets, inflation indices | <p>Regulated asset base of cost base year 2015: 345,658,768 €</p> <p>Types of regulated assets (see Annex 1 of GasNEV):</p> <p>I. General installations amount in cost base year 2015: 30,302,912 €</p> <p>II. Gas container amount in cost base year 2015: 0 €</p> <p>III. Compressor stations amount in cost base year 2015: 85,583,818 €</p> <p>IV. Pipelines/ House connection pipelines amount in cost base year 2015: 220,159,360 €</p> <p>V. Measuring, control and metering installations amount in cost base year 2015: 8,953,820 €</p> <p>VI. Remote control installations amount in cost base year 2015: 658,859 €</p> <p>Cost of capital of cost base year 2015: 26,006,855 €</p> <p>The methodology to calculate the cost of capital are determined in sections 6-8 GasNEV.</p> <p>The capital expenditures are determined on the basis of the historical procurement and manufacturing costs of the asset. There is no re-evaluation of assets foreseen in the German incentive regulation. The assets are depreciated on a linear basis in accordance with section 6(5) GasNEV. The depreciation period are set in Annex 1 GasNEV.</p> <p>Depreciation periods and amounts per asset type:</p> <p>I. General installations 3-70 years (no depreciation for land) amount in cost base year 2015: 1,719,887 €</p> <p>II. Gas container 45-55 years amount in cost base year 2015: 0 €</p> <p>III. Compressor stations 20-60 years amount in cost base year 2015: 5,142,242 €</p> <p>IV. Pipelines/ House connection pipelines 30-65 years amount in cost base year 2015: 7,550,525 €</p> <p>V. Measuring, control and metering installations 8-60 years</p> |

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| | | <p>amount in cost base year 2015: 353,508 € VI. Remote control installations 15-20 years amount in cost base year 2015: 45,439 €</p> <p>OPEX of tariff year 2018: 44,848,674 €</p> <p>German transmission system operators are subject to the incentive regulation system. The revenue cap of a transmission system operator (TSO) that is determined for a regulatory period with a duration of 5 years is based on the costs incurred at the TSO in the base year (year 3 before the new regulatory period) and that were checked by the regulatory authority. Moreover, an efficiency benchmark is conducted between the TSO and, based on their cost and structure parameters, individual company efficiency values are calculated. Possible inefficiencies are to be rectified over the duration of a regulatory period. Furthermore, the regulatory authority calculates a general sector productivity factor that is consistently applied to all transmission system operators. The general sector productivity factor for the third regulatory period is not determined yet.</p> <p>The individual efficiency score of GRTgaz Deutschland is 100% for the period 2018-2022.</p> <p>The inflation index used to determine the allowed revenues 2018 is 0,47% (inflation rate 2016).</p> |
| Art. 30 (1)(b)(iv,v) | Information on the transmission services revenue including capacity-commodity split, entry-exit split and intra-system/cross-system split. | <p>Transmission services revenues 2018: 91,970,000 €</p> <p>Capacity-commodity split: 100% capacity-based transmission tariffs</p> <p>Entry-exit split 2018: Entry 59% - Exit 41%</p> <p>Cross-border-domestic split will be determined in conjunction with Art. 26 NC TAR consultation determined and published.</p> |
| Art. 30 (1)(b)(vi) | Information related to the previous tariff period regarding the reconciliation of the regulatory account. | <p>Actual regulated revenues from transmission and non-transmission services 2016: 95,723,691 €.</p> <p>Aggregated balance of the regulatory account of the closed financial year 2016: 6,931,893 €.</p> <p>Reconciliation of the regulatory account for the concluded business year 2016 was determined in the year 2017 and it will be reconciled in equal instalments – including interest payments – over the subsequent 5 calendar years.</p> <p>Incentive mechanisms specifically for the regulatory account do not exist in the German regulatory system.</p> |
| Art. 30 (1)(b)(vii) | Information on the intended use of the auction premium. | <p>According to Article 13(4) Gas Network Access Ordinance (GasNZV) auction revenues are booked on the regulatory account in accordance with Article 5 ARegV. This transaction thus develops a tariff-reducing effect in the years in which the regulatory account is reconciled.</p> |
| Art. 30 (1)(c) | Information on transmission and non-transmission tariffs accompanied by the relevant information related to their derivation. | <p>GRTgaz Deutschland pricessheet: http://www.grtgaz-deutschland.de/en/node/1047</p> <p>Derivation of transmission tariffs</p> <p><u>Derivation of Biogas charge</u></p> <p>In accordance with number 6 BNetzA decision BK9-17/609 ("INKA") the Biogas charge according to section 20b GasNEV is classified as non-transmission service. The derivation of Biogas charge is described in section 7 of the Cooperation Agreement between the Operators of Gas Supply Networks in Germany as of 27 October 2017. According to this, all biogas-costs of 2018 in Germany in the amount of 199,507,937 € are divided by all forecasted contracted capacity for TSO exit points to DSO and end consumers (without consideration of multipliers or seasonal factors) of 2018 in the amount of 291,495,193 €. Hence, the biogas charge is 0.68443 €/kWh/h/a.</p> <p><u>Derivation of Market area conversion charge</u></p> <p>In accordance with number 6 BNetzA decision BK9-17/609 ("INKA") the Market area conversion charge according to section 19a(1) Energy Industry Act is classified as non-transmission service. The derivation of Market area conversion charge is described in section 10 of the Cooperation Agreement between the Operators of Gas Supply Networks in Germany as of 27 October 2017. According to this, all market conversion costs of 2018 in the amount of 104,442,367 € are divided by all forecasted contracted capacity for TSO exit points (including IP and storage exit points, but without consideration of multipliers or seasonal factors) of 2018 in the amount of 403,738,196 (kWh/h)/a. Hence, the market area conversion charge is 0.2587 €/kWh/h/a.</p> <p><u>Derivation Metering charge</u></p> <p>GRTgaz Deutschland's estimation of the revenues of the metering charge in 2018 amounts to 409,668 €.</p> |
| Art. 30 (2)(a)i & ii) | Information on transmission tariff changes and trends. | <p>For the tariff period 2019 we assume that transmission tariffs will increase by approx. 0-2% compared with tariffs for the year 2018.</p> |

It is currently impossible to make a valid estimation about what reference price method will be applicable for tariff calculation in the years 2020 ff. Correspondingly, no prognostic statements can be made regarding tariff development in the years 2020-2022. In this matter we therefore refer to the final consultation according to Article 26 of the Tariff Network Code, which is carried out according to the decision "INKA" (BK9-17/609) by the Federal Network Agency.

Art. 30 (2)(b)

Information about the used tariff model and an explanation how to

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