

**Price Sheet of Open Grid Europe GmbH
for entry and exit contracts as well as internal orders
in accordance with Cooperation Agreement X
in the NetConnect Germany GmbH & Co. KG market area**

Essen, 28 September 2018

Valid for gas shipments from 1 January 2019

The English translation of this Price Sheet is nonbinding and for convenience only.

It may not be used for interpretation of the binding German version,
published on the website of Open Grid Europe GmbH:

<https://www.open-grid-europe.com>

„Netzzugangsbedingungen/Entgelte 2018/2019“

1. Capacity fees

The network fees for the entry and exit points that are published in this price sheet (see ANNEX) and the fee components for the biogas levy and the market area conversion levy are demand charges expressed in €/kWh/h/d. The fee component for metering point operation is expressed in €/d and is independent of the level of the capacity booking. In accordance with the decision of the Federal Network Agency on pricing for entry and exit capacities ("BEATE") of 24 March 2015 (BK9-14/608), Open Grid Europe GmbH is introducing multipliers for the conversion of annual demand charges into demand charges for capacity products with terms of less than one year (daily, monthly and quarterly products) for all entry and exit points. The multiplier for a daily product is 1.4 (contract term of 1 to 27 days), the multiplier for a monthly product is 1.25 (contract term of 28 to 89 days) and the multiplier for a quarterly product is 1.1 (contract term of 90 to 364 days). The multipliers are applicable to network fees for firm, interruptible and other capacity products at all entry and exit points.¹ The only exception are internal orders. The ANNEX provides an overview of the network fees for entry points/zones and exit points/zones each with a standard network fee, **without** taking account of the multipliers for published network fees in accordance with the BEATE decision. A list of the entry and exit points that can be booked/ordered internally is published separately in addition to this Price Sheet on the Open Grid Europe GmbH website.

2. Fee for storage facilities

Under the BEATE provisions all fees for capacities at storage facilities have to be reduced by granting a 50 % discount on the fee determined in accordance with the Gas Network Charges Ordinance (GasNEV). Storage facilities providing access to more than one market area or to the market area of a neighbouring country are exempt from this requirement. In these cases Open Grid Europe GmbH has to offer a fee without a discount as well as a fee with a discount at the following booking points, provided the storage operator can demonstrate that it has complied with the conditions detailed in Section IX.8 of the paper stating the reasons for the BEATE decision and has concluded an agreement with Open Grid Europe GmbH to comply with the conditions in accordance with the BEATE decision:

¹ In the event of a contract change for capacities already booked or if capacities are withdrawn, the previously determined multiplier remains in place unchanged, even if the original product were to fall into a different category after the change or withdrawal. There is no subsequent recognition of amounts; the use of the multiplier is determined by the product booked at the time the contract was concluded. For the capacity product booked anew after the change or capacity withdrawal ("New Product"), on the other hand, a multiplier chosen in accordance with the contract term of the New Product shall be used. This rule shall apply (also in part) to capacities returned, to secondary marketing, to conversions and to the cancellation of capacities.

- Etzel (Speicher Crystal), Bitzenlander Weg 10
- Etzel (Speicher ESE), Bitzenlander Weg 3
- Friedeburg-Etzel, Bitzenlander Weg 2
- Friedeburg-Etzel, Schienenstrang, EGL
- Haiming 2 7F
- Speicher Gronau-Epe L2

If the storage operator does not furnish appropriate proof, Open Grid Europe GmbH will only offer a fee without a discount at these network points.

The fees for freely allocable capacity (FZK), interruptible capacity (uK), dynamically allocable capacity (DZK) and conditionally freely allocable capacity (bFZK) with temperature dependence are provided in the table below:

	Storage facilities providing access to one market area (expressed in % of the network fee that would be charged for firm freely allocable capacity bookings)	Storage facilities providing access to more than one market area or to the market of a neighbouring country (expressed in % of the network fee that would be charged for firm freely allocable capacity bookings)	
	Fee with discount	Fee with discount	Fee without discount
DZK/ bFZK	45 %	45 %	90 %
FZK	50 %	50 %	100 %
uK	Point-specific interruption factor (85 %, 87 %, 88 %, 89 % or 90 %) * 50 % = 42,5 %, 43,5 %, 44 %, 44.5 % or 45%	Point-specific interruption factor (85 %, 87 %, 88 %, 89 % or 90 %) * 50 % = 42,5 %, 43,5 %, 44 %, 44.5 % or 45 %	Point-specific interruption factor (85 %, 87 %, 88 %, 89 % or 90 %) * 100 % = 85 %, 87 %, 88 %, 89 % or 90 %

The market area conversion levy is not reduced.

3. Fee for Virtual Interconnection Points

Article 19 Paragraph 9 of the Regulation (EU) No. 2017/459 (NC CAM) foresees the establishment of virtual interconnection points (VIP). Per VIP only one TSO (“VIP-TSO”) is responsible for marketing and operation of capacities in the relation with the transport customers. The calculation of the applicable fee is performed according to Article 22 Regulation (EU) No. 2017/460 (NC TAR). The applicable fees at the VIP, which will be implemented the 1 November 2018 and for which Open Grid Europe GmbH will fulfill the role of VIP-TSO within the market area of NetConnect Germany GmbH & Co. KG, are stated in the ANNEX.

4. Biogas levy in accordance with Section 20b of the Gas Network Charges Ordinance

The Germany-wide biogas levy according to Section 20b of the Gas Network Charges Ordinance (GasNEV) is charged by Open Grid Europe GmbH at all relevant exit points (end users, downstream network operators) in addition to the network fees. According to Section 7 (7a) of the Cooperation Agreement X (KoV X), exit capacities at storage facilities, border crossing points and crossing points between market areas are exempt from the biogas levy. The BEATE provisions do not apply in the case of the biogas levy.

Details of the biogas levy charged across Germany can be found in the ANNEX.

5. Market area conversion levy

The market area conversion levy, which is applied across all networks in Germany, is charged by Open Grid Europe GmbH at all exit points in addition to the network fees. The provisions of the BEATE decision referred to in Section 1 hereinabove do not apply in the case of the market area conversion levy.

Details of the market area conversion levy charged across Germany can be found in the ANNEX.

6. Fee for interruptible capacity

According to the provisions of the BEATE decision, the network fee for interruptible capacity must come with a discount, for each point of the network, on the fee that would be applicable to bookings of firm capacity at the relevant network point. The discount level is calculated on the basis of the actual interruptions that occurred during the three-year period ending on 31 March of the previous year. According to Section VII 5 of the paper stating the reasons for the BEATE decision, the maximum interruptible capacities that were actually interrupted are determined in proportion to the

marketed interruptible capacities during the above period under review. The discount determined with this quotient is rounded up to the next full percentage figure, and a safety allowance of 10 percentage points is added. This analysis is done annually at Open Grid Europe GmbH as part of the regular fee determination process. For 2019 all entry and exit points receive a 10 % discount on the standard network fee in accordance with the BEATE decision, which gives a fee for interruptible capacity of 90 % of the fee that would be charged for the booking of firm capacity at the relevant network point. The foregoing does not apply to the following entry and exit points:

- Entry
 - 40 % of the fee for firm capacities:
Oberkappel
 - 87 % of the fee for firm capacities:
Haiming 2 7F; Zone MND GSG
 - 88 % of the fee for firm capacities:
Bunder Tief; Speicher Breitbrunn
 - 89 % of the fee for firm capacities:
Dornum; Ellund; Emden EPT; Etzel (Speicher ESE), Bitzenlander Weg 3; Friedeburg-Etzel, Bitzenlander Weg 2; Friedeburg-Etzel, Schienenstrang, EGL; Oude Statenzijl; Speicher Bierwang; Speicher Epe H; Speicher Gronau-Epe H1; Steinitz; Wardenburg

- Exit
 - 85 % of the fee for firm capacities:
Speicher Breitbrunn
 - 87 % of the fee for firm capacities:
Medelsheim; Oberkappel
 - 88 % of the fee for firm capacities:
Ellund
 - 89 % of the fee for firm capacities:
Haiming 2 7F; Speicher Bierwang

The network fee for interruptible capacity at storage facility entry and exit points is determined on the basis of the product calculated by multiplying the storage fee determined in Section 2 with the interruption factor derived in this section for each specific network point.

The fees for metering point operation, the biogas levy and the market area conversion levy are not reduced.

7. Fees for capacities subject to allocation restrictions

The network fee for capacities subject to allocation restrictions is 90 % of the network fee which would be payable for the booking of freely allocable capacity. The fees for metering point operation, the biogas levy and the market area conversion levy are not reduced.

8. Fees for dynamically allocable capacities

The network fee for dynamically allocable capacities is 90 % of the network fee which would be payable for the booking of freely allocable capacity. The fees for metering point operation, the biogas levy and the market area conversion levy are not reduced.

9. Fee for intraday capacities

For firm intraday capacity products the shipper pays 100 % of the network fee of a daily product. The foregoing applies regardless of the contract term of the intraday product. In the case of interruptible intraday capacities from overnominations at market area and border crossing points the fees for interruptible capacities apply (see Section 5). For intraday capacity products, the multiplier of 1.4 for daily products mentioned in Section 1 applies.

10. Fee for metering point operation

The fee for metering point operation is charged at the network connection points for which Open Grid Europe GmbH assumes the relevant market role. The fee for metering point operation includes metering services and is determined on the basis of a uniform fee for each bookable point plus a fee for each gas meter assigned to the bookable point. Consequently, the fee for metering point operation is calculated as follows:

$$\begin{aligned} & \textit{Fee for metering point operation} \\ & = \textit{fee for bookable point} + (\textit{fee per gas meter} * \textit{number of gas meters}) \end{aligned}$$

The fee per gas meter and the fee per bookable point are detailed in the ANNEX. The multipliers described in Section 1 do not apply to the fee for metering point operation.

11. Fee for capacity overruns in accordance with Section 18 (6) of KoV X and contractual penalties in accordance with Section 18 (7) of KoV X and Section 6 of the Supplementary Terms and Conditions of Open Grid Europe GmbH governing internal orders for downstream network operators

If the internal order in accordance with Section 18 (6) of KoV X is exceeded, the highest hourly value of the overrun of the day multiplied by the published daily fees for firm capacities in accordance with the ANNEX will be charged for each day with a capacity overrun, including the biogas levy and the market area conversion levy.

If the internal order in accordance with Section 18 (7) sentence 1 of KoV X and in accordance with Section 6 (1) of Supplementary Terms and Conditions of Open Grid Europe GmbH governing internal orders for downstream network operators is exceeded, a contractual penalty amounting to four times the value of the network fee for firm capacities applicable at the relevant point on the relevant gas day, multiplied by the highest hourly value of the overrun of the relevant gas day, will be charged on top.

In the event of a culpable failure to implement the reported shutdown potential in accordance with Section 18 (7) sentence 3 of KoV X and in accordance with Section 6 (2) of the Supplementary Terms and Conditions of Open Grid Europe GmbH governing internal orders for downstream network operators, a contractual penalty in the amount of four times the value of the network fee for firm capacities applicable to the relevant point on the relevant gas day, multiplied by the highest hourly value of the requested but not implemented shutdown potential of the relevant gas day will be charged.

12. Fee for capacity overruns and unrealised interruptions in accordance with Section 29 (3), Section 30 of the General Terms and Conditions for Entry and Exit Contracts

The network fee for a capacity overrun is four times the network fee for firm capacities for the relevant network point multiplied by the highest hourly value of the overrun on the relevant gas day.

If Open Grid Europe calls on the shipper to reduce its capacity use at an exit point to end users in accordance with Section 29 (3) of the Entry and Exit Contract, and the shipper fails to make the requested reduction or does not make such a reduction in time, the shipper has to pay Open Grid Europe a contractual penalty. Said contractual penalty amounts to four times the network fee for the relevant network point multiplied by the highest hourly value of the overrun within a gas day.

13. Taxes

The fees stated are net fees and do not include any taxes payable such as value added tax, which must be paid by the customer at the ruling rate in addition to the fees.

Annex

Fees charged by Open Grid Europe GmbH

valid from 1 January 2019, 06:00 a.m.

<u>Designation</u>	<u>Fee</u>
1. Network fee for firm freely allocable capacities with a term of one gas day (without taking account of the multipliers for network fees in accordance with the BEATE decision)	
Entry	
Entry fee	0.011207 EUR/(kWh/h)/d
Entry fee VIP L GASPOOL-NCG	0.011207 EUR/(kWh/h)/d
Exit	
Exit fee	0.011207 EUR/(kWh/h)/d
Exit fee VIP L GASPOOL-NCG	0.011207 EUR/(kWh/h)/d
Additional fees to be charged:	
2. Fee for metering point operation¹	
- Fee per gas meter	1.03 EUR/d
- Fee per bookable point	5.53 EUR/d
3. Biogas levy²	0.00181350 EUR/(kWh/h)/d
4. Market area conversion levy³	0.00087145 EUR/(kWh/h)/d

¹ The fee for metering point operation is charged at the network connection points for which Open Grid Europe GmbH assumes the relevant market role.

² Charged at all relevant exit points (end users, downstream network operators) in addition to the exit fees.

³ Charged at all exit points in addition to the exit fees.