



**Price Sheet of Open Grid Europe GmbH
for entry and exit contracts as well as internal orders
in accordance with Cooperation Agreement XIII.1
in the market area Trading Hub Europe GmbH**

Essen, 28 November 2022

Valid for gas shipments from 1 January 2023

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.oge.net>

„Für alle, Mediathek, Preisblatt“

1. Capacity fees

The network fees published for the entry and exit points in this price sheet (see ANNEX 1) with validity from 1 January 2023 have been recalculated for the year 2023 on the basis of the decision "Approval of the recalculation of the reference price for the year 2023 (REGENT recalculation 2023, BK9-22/615)" of the Federal Network Agency after the transmission system operators (TSOs) had already published the reference price 2023 on 30.05.2022/02.06.2022. According to the requirements of the European Regulation on the harmonisation of network tariff structures, the Network Code Tariff [(EU) 2017/460, NC TAR], which has been in force since 2017, an adjustment of the level of fees is possible in accordance with Art. 12 (3) NC TAR even after the publication of the reserve prices if there are exceptional circumstances. The Federal Network Agency considers the strict requirements of the NC TAR for a recalculation to be fulfilled and has approved the recalculation of the reference price to the TSOs.

With the REGENT-2021-decision of the Federal Network Agency entering into force the network fees are determined as a stamp uniformly for the Trading Hub Europe GmbH market area. This proceeding is the result of the requirements of the NC TAR. The Federal Network Agency implements these requirements in the common German market area by concluding the decisions REGENT 2021 (BK9-19/610) and AMELIE 2021 (BK9-19/607) which were published on 11 September 2020, by concluding the decision BEATE 2.0 (BK9-20/608) which was published on 16 October 2020, as well as by concluding the decision MARGIT 2023 (BK9-21/612) which was published on 02 June 2022.

The network fees that are published in this price sheet and fee components for the biogas levy and the market area conversion levy are demand charges expressed in €/kWh/h/a. While the network fees are rounded to 2 digits after the decimal point, the biogas levy and the market area conversion levy are published with 4 digits after the decimal point. The fee component for metering point operation which is determined separately by Open Grid Europe GmbH is expressed in €/d and is independent of the level of the capacity booking¹.

In accordance with the decisions MARGIT 2023 and BEATE 2.0 Open Grid Europe GmbH uses multipliers for the conversion of annual demand charges into demand charges for capacity products with terms of less than one year (within-day, daily, monthly and quarterly products) for all entry and exit points. The multiplier for a within-day product is 2.0 (contract term of up to 24 h), 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

¹ Even if several capacity contracts with overlapping contract runtimes are concluded at the same exit point to end-users, the fee is only charged once per gas day.

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.² The only exception are internal orders.

For the calculation of the network fees for capacity products with terms of less than one year the annual demand charges are divided by 365 and multiplied by the contract term in days in the case of a booking period of one day or more respectively the annual demand charges are divided by 8760 and multiplied by the contract term in hours in the case of a within-day booking period.

The ANNEX 1 provides an overview of the network fees for entry points/zones and exit points/zones each with a standard network fee for the time period from 1 January 2023, 06:00 a.m., to 1 January 2024, 06:00 a.m., **without** taking account of the multipliers for published network fees in accordance with the MARGIT 2023 and BEATE 2.0 decision. A list of the entry and exit points that can be booked/ordered internally is published in addition to this Price Sheet in the Web Publications on the Open Grid Europe GmbH website.

2. Fee for storage facilities

Under Section 2 of the REGENT 2021 decision all fees for capacities at storage facilities have to be reduced by granting a 75 % discount on the fee determined in accordance with the Gas Network Charges Ordinance (GasNEV), if and in so far as a storage facility that is connected to more than one transmission and distribution network is not used as an alternative to an interconnection point. Before granting such a discount the transmission system operator must ask for proof from the storage facility operator that the facility cannot be used to compete with an interconnection point at the following booking points:

- Etzel (Speicher Crystal), Bitzenlander Weg 10
- Etzel (Speicher ESE), Bitzenlander Weg 3
- Friedeburg-Etzel, Bitzenlander Weg 2
- Haiming 2 7F

² 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. In this case, too, the multiplier is applied according to which product was booked when the contract was concluded. This provision applies to all scenarios; it therefore affects in particular the return of capacity, the trading on secondary market of parts of the capacity rights, the conversion and the (partial) termination of capacity.

- Speicher Gronau-Epe L2
- Speicher Haiming 3-Haidach

For storage facilities that are connected to more than one transmission and distribution network and that are used as an alternative to an interconnection point Open Grid Europe GmbH is obligated to offer a fee without a discount and one with a discount.

If the storage operator does not furnish appropriate proof, Open Grid Europe GmbH will only offer a fee without a discount at these network points³.

If a discounted capacity shall subsequently be withdrawn to an adjacent market area, no corresponding bookings of real capacities are required according to the REGENT 2021 decision (points 558-559). Instead of such bookings, upon application of the Shipper the transmission system operator concerned may issue an invoice for the corresponding tariffs. The shipper shall inform the transmission system operator with a lead time of 5 working days stating the capacity and duration of the rebooking request. The duration of the rebooking request is at least one gas day. Further information on the rebooking procedure can be found in our supplementary terms and conditions.

The fees for firm freely allocable capacity (fFZK), interruptible freely allocable capacity (uFZK), dynamically allocable capacity (DZK) and conditionally firm freely allocable capacity with temperature dependence (bFZK) are provided in the table below which are valid for storage facilities in the L-gas network:

	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 (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
fFZK	25 %	25 %	100 %
bFZK/ DZK⁴	22.5 %	22.5 %	90 %

³ This is the case for the Gronau-Epe L2 storage facility.

⁴ For further explanations see Section 6

uFZK⁵	Point-specific interruption factor $90 \% * 25 \%$ = 22.5 %	Point-specific interruption factor $90 \% * 25 \%$ = 22.5 %	Point-specific interruption factor $90 \% * 100 \%$ = 90 %
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The fees for firm freely allocable capacity (fFZK), interruptible freely allocable capacity (uFZK), dynamically allocable capacity (DZK) and conditionally firm freely allocable capacity with temperature dependence (bFZK) are provided in the table below which are valid for storage facilities in the H-gas network:

	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 (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
fFZK	25 %	25 %	100 %
bFZK/DZK⁶	20 %	20 %	80 %
uFZK⁷	Point-specific interruption factor (44 %, 74 %, 75 %, 76 %, 79 % or 80 %) * 25 % = 11 %, 18.5 %, 18.75 %, 19 %, 19.75% or 20 %	Point-specific interruption factor (44 %, 74 %, 75 %, 76 %, 79 % or 80 %) * 25 % = 11 %, 18.5 %, 18.75 %, 19 %, 19.75% or 20 %	Point-specific interruption factor (44 %, 74 %, 75 %, 76 %, 79 % or 80 %) * 100 % = 44 %, 74 %, 75 %, 76 %, 79 % or 80 %

⁵ For further explanations see Section 5

⁶ For further explanations see Section 6

⁷ For further explanations see Section 5

3. 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 XIII.1 (KoV XIII.1), exit capacities at storage facilities and border crossing points are exempt from the biogas levy. The BEATE 2.0 provisions do not apply in the case of the biogas levy. For the calculation of the biogas levy for capacity products with terms of less than one year the annual demand charge of the biogas levy is divided by 365 and multiplied by the contract term in days in the case of a booking period of one day or more respectively the annual demand charge of the biogas levy is divided by 8760 and multiplied by the contract term in hours in the case of a within-day booking period.

Details of the biogas levy can be found in the ANNEX 1.

4. Market area conversion levy

The market area conversion levy, which is applied across Germany, is charged by Open Grid Europe GmbH at all exit points except for border crossing points and storage facilities according to Section 5 REGENT 2021 decision in addition to the network fees. The provisions of the BEATE 2.0 decision referred to in Section 1 hereinabove do not apply in the case of the market area conversion levy. For the calculation of the market area conversion levy for capacity products with terms of less than one year the annual demand charge of the market area conversion levy is divided by 365 and multiplied by the contract term in days in the case of a booking period of one day or more respectively the annual demand charge of the market area conversion levy is divided by 8760 and multiplied by the contract term in hours in the case of a within-day booking period.

Details of the market area conversion levy can be found in the ANNEX 1.

5. Fee for interruptible capacity

According to Section 5 of the MARGIT 2023-decision published on 02 June 2022 the network fee for interruptible capacity at interconnection points must be calculated by multiplying the network fee for firm capacity by the difference between 100% and the level of an ex-ante discount applicable at every interconnection point for the respective standard product in accordance with ANNEX 2 of the MARGIT 2023-decision.

According to the provisions of the BEATE 2.0 decision published on 29 March 2019 respectively on 16 October 2020, the network fee for interruptible capacity at non-interconnection points⁸ must come with a point-specific discount regardless of the duration of the product 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 last three gas business years. According to points 61 of the paper stating the reasons for the BEATE 2.0⁹ 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 contingency mark-up of 10 percentage points for non-interconnection points in the L-gas network respectively a contingency mark-up of 20 percentage points for non-interconnection points in the H-gas network is added. This analysis is done annually at Open Grid Europe GmbH as part of the regular fee determination process. For the year 2023 this results in a fee for interruptible capacity of 90 % for non-interconnection points in the L-gas network respectively 80 % for non-interconnection points in the H-gas network 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
 - 74 % of the fee for firm capacities:
Speicher Bierwang
 - 76 % of the fee for firm capacities:
Haiming 2 7F
 - 79 % of the fee for firm capacities:
Etzel (Speicher ESE), Bitzenlander Weg 3; Friedeburg-Etzel, Schienenstrang, EGL;
Speicher Breitbrunn; Speicher Epe H; Speicher Gronau-Epe H1

- Exit
 - 44 % of the fee for firm capacities:
Speicher Breitbrunn
 - 74 % of the fee for firm capacities:
Haiming 2 7F

⁸ Non-interconnection points are all entry and exit points except for border crossing points.

⁹ published on 29 March 2019

- 75 % of the fee for firm capacities:
Speicher Haiming 3-Haidach
- 79 % of the fee for firm capacities:
Speicher Bierwang

The network fee for interruptible capacity at storage 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.

6. Fees for dynamically allocable capacities

The network fees for dynamically allocable capacities are 90 % of the corresponding network fee which would be payable for the booking of firm freely allocable capacity on entry/exit points in the L-gas network or 80% of the corresponding network fee which would be payable for the booking of firm freely allocable capacity on entry/exit points in the H-gas network.

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

7. Fee for entry points from LNG facilities

According to Section 4 of the MARGIT 2023-decision a discount of 40 % of the corresponding network fee which would be payable for the booking of firm freely allocable capacity at entry points from LNG facilities is applicable solely for yearly and quarterly capacity products.

8. Fees for conditionally firm freely allocable capacity (bFZK) for the VIPs Oberkappel, THE-ZTP and Waidhaus

The network fee for conditionally firm freely allocable capacity (bFZK) for the VIPs Oberkappel, THE-ZTP and Waidhaus is 90 % of the network fee which would be payable for the booking of firm freely allocable capacity.

9. Fee for metering point operation

The fee for metering point operation which is determined separately by Open Grid Europe GmbH according to Section 15 (7) of the Gas Network Charges Ordinance (GasNEV) in conjunction with Section 7 of REGENT 2021 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:

Fee for metering point operation

$$= \text{fee for bookable point} + (\text{fee per gas meter} * \text{number of gas meters})$$

The fee per gas meter and the fee per bookable point are detailed in the ANNEX 1. A topical status of the points for which Open Grid Europe GmbH fulfils the market role of metering point operation is published in the basic data of the web publications at the relevant bookable points on the Open Grid Europe GmbH website. The multipliers described in Section 1 according to BEATE 2.0 decision do not apply to the fee for metering point operation.

10. Fee for capacity overruns in accordance with Section 18 (6) of KoV XIII.1 and contractual penalties in accordance with Section 18 (7) of KoV XIII.1 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 XIII.1 is exceeded, each hourly value of the overrun is multiplied by the published annual demand charge for firm capacities valid for the corresponding period in accordance with the ANNEX 1 divided by 8760. Each capacity overrun will be charged on an hourly basis, including the biogas levy and the market area conversion levy.

If the internal order in accordance with Section 18 (7) sentence 1 of KoV XIII.1 and in accordance with Section 6 (2) 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 annual demand charge for firm capacities applicable at the relevant point valid for the corresponding period divided by 8760 will additionally be charged for each hour in which a capacity overrun occurs.

In the event of a culpable failure to implement the reported shutdown potential in accordance with Section 18 (7) sentence 3 of KoV XIII.1 and in accordance with Section 6 (3) 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 annual demand charge for firm capacities applicable to the relevant point valid for the corresponding period divided by 8760 multiplied by each hourly value of the requested but not implemented shutdown potential will be charged.

11. 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 equal to two times the value of the published annual demand charge for firm capacities applicable for the relevant period divided by 8760 for the relevant network point, multiplied by the corresponding highest hourly capacity overrun per gas day as well as the number of hours from the first capacity overrun on that gas day and the multiplier for a within-day product.

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. The contractual penalty shall correspond to two times the value of the published annual demand charge valid for the relevant period divided by 8760 for the respective point, multiplied by the corresponding highest hourly capacity overrun per gas day, the number of hours from the first capacity overrun on that gas day and the multiplier for a within-day product.

12. Contractual penalty in accordance with Section 12 (13, 14) of the Entry and Exit Contract

If, in accordance with Section 12 (13) of the entry and exit contract, there has been conduct detrimental to the grid as a result of systematic, erratic renominations which are implausible for Open Grid Europe GmbH, Open Grid Europe GmbH will charge a contractual penalty in accordance with Section 12 (14) of the entry and exit contract.

The contractual penalty is equal to two times the value of the published annual capacity fee valid for the relevant period divided by 365 for the respective point multiplied by the corresponding highest hourly difference between the maximum and minimum (re-)nomination of the gas day in question.



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.

**Fees charged by Open Grid Europe GmbH
in the market area Trading Hub Europe GmbH (THE)**

valid from 1 January 2023, 06:00 a.m.

<u>Designation</u>	<u>Fee</u>
1. Network fee for firm freely allocable capacities with a term of one gas year	
<u>Open Grid Europe GmbH Entry in the market area Trading Hub Europe</u>	
Entry fee	6.03 EUR/(kWh/h)/a
<u>Open Grid Europe GmbH Exit in the market area Trading Hub Europe</u>	
Exit fee	6.03 EUR/(kWh/h)/a
Additional fees to be charged:	
2. Fee for metering point operation¹	
- Fee per gas meter	1.22 EUR/d
- Fee per bookable point	6.57 EUR/d
3. Biogas levy²	
	0.6983 EUR/(kWh/h)/a
4. Market area conversion levy³	
	0.7547 EUR/(kWh/h)/a

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 exit points except for border crossing points and storage facilities in addition to the exit fees.

³ Charged at all exit points except for border crossing points and storage facilities in addition to the exit fees.

Trading Hub Europe (THE)							
			Di _{lex} -ante				
Flussrichtung am Netzkopplungspunkt	Name des angrenzenden Marktgebietes	Gasqualität	untertägige Kapazität	Tageskapazität	Monatskapazität	Quartalskapazität	Jahreskapazität
Flow direction at connection point	Name of adjacent market area	Gas quality	within-day capacity	daily capacity	monthly capacity	quarterly capacity	yearly capacity
Entry	Czech Balancing Zone	H-Gas	21%	21%	21%	21%	21%
Exit	Czech Balancing Zone	H-Gas	21%	21%	21%	21%	21%
Entry	Austrian Balancing Zone	H-Gas	21%	21%	21%	21%	20%
Exit	Austrian Balancing Zone	H-Gas	23%	22%	22%	22%	21%
Entry	RC Lindau (ehem. Voralberg; Österreich)	H-Gas	20%	20%	20%	20%	20%
Exit	RC Lindau (ehem. Voralberg; Österreich)	H-Gas	20%	20%	20%	20%	20%
Entry	Zone Kiefersfelden-Pfronten (Österreich)	H-Gas	20%	20%	20%	20%	20%
Exit	Zone Kiefersfelden-Pfronten (Österreich)	H-Gas	20%	20%	20%	20%	20%
Entry	Belgian and Luxembourg Balancing Zone	H-Gas	21%	20%	20%	20%	20%
Exit	Belgian and Luxembourg Balancing Zone	H-Gas	21%	21%	21%	21%	20%
Entry	Dutch Balancing Zone	H-Gas	21%	20%	20%	20%	20%
Exit	Dutch Balancing Zone	H-Gas	21%	21%	21%	20%	20%
Entry	Dutch Balancing Zone	L-Gas	11%	11%	11%	11%	11%
Exit	Dutch Balancing Zone	L-Gas	11%	11%	11%	11%	11%
Entry	Danish Balancing Zone	H-Gas	21%	21%	21%	20%	20%
Exit	Danish Balancing Zone	H-Gas	21%	20%	20%	20%	20%
Entry	Norwegen	H-Gas	21%	21%	21%	21%	20%
Exit	Norwegen	H-Gas	20%	20%	20%	20%	20%
Entry	Schweiz (ehem. RC Thayngen-Fallentor, RC Basel, Wallbach)	H-Gas	20%	20%	20%	20%	20%
Exit	Schweiz (ehem. RC Thayngen-Fallentor, RC Basel, Wallbach)	H-Gas	21%	21%	21%	21%	21%
Entry	Trading Region France (ehem. PEG North)	H-Gas	20%	20%	20%	20%	20%
Exit	Trading Region France (ehem. PEG North)	H-Gas	20%	20%	20%	20%	20%
Entry	E-Gas Transmission System (GCP) (ehem. Polish E-gas Balancing Zone)	H-Gas	20%	20%	20%	20%	20%
Exit	E-Gas Transmission System (GCP) (ehem. Polish E-gas Balancing Zone)	H-Gas	20%	20%	20%	20%	20%
Entry	Transit Gas Pipeline System (TGPS) (ehem. YAMAL (TGPS) Pipeline; Polen)	H-Gas	20%	20%	20%	20%	20%
Exit	Transit Gas Pipeline System (TGPS) (ehem. YAMAL (TGPS) Pipeline; Polen)	H-Gas	21%	21%	20%	20%	20%
Entry	Russland	H-Gas	21%	21%	20%	20%	20%
Exit	Russland	H-Gas	20%	20%	20%	20%	20%