



# Auction Rules

## 30 August 2022

### Gas Storage Denmark A/S

#### 1. INTRODUCTION

These rules govern the qualification for participation, the conduct, and the outcome of the Auction of storage capacity in the Danish storage facilities operated by Gas Storage Denmark.

The Auction is scheduled to be held on  
**30 August 2022, 11:00-12:00** a.m. Danish time.

Successful Bid(s) in the Auction will result in the conclusion of a Standard Storage Agreement between the Storage Customer and Gas Storage Denmark A/S.

#### 2. DEFINITIONS

##### 2.1. Definitions

**Auction** shall mean the auction as further specified in these Auction Rules.

**Auction Date** shall have the meaning specified in clause 4.

**Auction Rules** shall mean these auction rules, including appendixes.

**Bid** shall mean the submission by the Storage Customer of demand for storage capacity and the corresponding price, which the Storage Customer is willing to pay. The Storage Customer submits the required Bid(s) in a bidding sheet sent by email to [contact@gasstorage.dk](mailto:contact@gasstorage.dk).

**Bidder** shall mean a Storage Customer submitting a Bid in the Auction.

**Business Day** is any day between Monday to Friday between 9:00 and 16:00 Danish time. Exceptions are the holidays specified in the calendar found on GSD's website <https://gasstorage.dk/Contact-and-communication>.

**Credit Limit** is the maximum credit limit in DKK up to which a Storage Customer may enter into storage agreements. The maximum credit limit is specified in the Storage Customer Agreement concluded between GSD and the Storage Customer.

**Danish Gas System** is the collective designation of the Transmission System, the Distribution Network and the Storage Facilities in Denmark.

**DKK** shall mean Danish kroner.

**Energinet System Operator** means the Energinet System Operator (Energinet Gas TSO), CVR number 39315084, responsible for managing the transmission function, security of supply, market facilitation and the overall physical balance in the Danish Gas System in pursuance of the Danish Act on Energinet. In addition, the Energinet System Operator is responsible for the Register of Players.

**Exceeding Bid** shall have the meaning specified in clause 6.7.

**Firm Storage Capacity** means Capacity made available to the Storage Customers by GSD. GSD can only demand that Firm Storage Capacity is reduced or interrupted if (1) required due to technical or IT-related circumstances originating from the System Operator, (2) too high or too low pressure in the Transmission System, (3) repair or maintenance, cf. clause 10 in GTCGS, (4) if Natural Gas allocated in the Storage Point does not comply with the Quality and Delivery Specifications, cf. clause 11 in GTCGS, (5) due to a Reduced Capacity Notice, cf. clause 13 in GTCGS, (6) Force Majeure, cf. clause 14 in GTCGS, or (7) in case of Emergency, cf. clause 15 in GTCGS.

**Group** shall have the meaning defined in the Danish Companies Act.

**GSD** is Gas Storage Denmark A/S, CVR number 29851247, operating the Danish storage facilities and caretaking the relations to all Storage Customers under the GTCGS.

**GTCGS** means General Terms and Conditions Gas Storage in the version applicable at any time.

**Market Clearing Price** shall have the meaning specified in clause 6.7 iv).

**Maximum Quantity** shall mean the maximum number of SBUs offered in the Auction and specified in clause 5.2.

**Reservation Price** shall have the meaning specified in clause 5.3.

**Sale** means GSD's offering of Firm Capacity to the Storage Customers by using auctions.

**Standard Storage Agreement** is an agreement concluded between GSD and a Storage Customer, cf. APPENDIX I to this Auction Rules.

**SBU** (standard bundled unit) is Firm Capacity sold bundled with a fixed ratio between Firm Injection Capacity, Firm Withdrawal Capacity and Firm Volume Capacity.

**Storage Customer** means any natural or legal person who has access to GSD's storage facilities under a Storage Customer Agreement and who is registered as a Storage Customer in the Register of Players.

**Storage Customer Agreement** means an agreement concluded between GSD and a Storage Customer allowing the Storage Customer to act as such.

**Storage Customer Framework Agreement** means an agreement concluded between Energinet System Operator (Energinet Gas TSO) and the Storage Customer allowing the Storage Customer to act as a registered storage customer in the Danish Gas System.

**Storage Period** shall have the meaning specified in clause 5.1.

## 2.2. Use of singular and plural and of definite and indefinite forms

Unless otherwise indicated by the context, the terms used in these Auction Rules shall be as defined in clause 2.1, whether used in the singular or the plural or the definite or indefinite forms.

## 2.3. Reference to clauses

All references to clauses are, unless otherwise expressly stated, references to the clauses of these Auction Rules.

# 3. QUALIFICATIONS

## 3.1. Qualification for participation in the Auction

Any natural or legal person wishing to qualify for participation in the Auction must:

- i. satisfy the conditions stated in Energinet System Operator's General Terms and Conditions for Gas Transport (BfG, "Betingelser for Gastransport") including conclusion of a Storage Customer Framework Agreement with Energinet System Operator and registration as a Storage Customer in the Register of Players; and
- ii. satisfy the conditions stated in GTCGS, including conclusion of a Storage Customer Agreement with GSD and testing of IT systems for communication of nominations etc.; and
- iii. provide GSD with all necessary authorized contact information prior to the Auction.

## 3.2. Acceptance of the Auction Rules

Any Storage Customer wishing to participate in the Auction as a Bidder accepts and agrees to these Auction Rules.

# 4. THE AUCTION DATE

The Auction is scheduled to be held on **30 August 2022, 11:00-12:00** Danish time.

## 5. THE AUCTION OFFERING

### 5.1. The product and the Storage Period

GSD offers SBUs with the characteristics stated in *Table 1* for the Storage Period from 1 April 2023 06:00 to 1 April 2024 06:00 (one year).

SBU Characteristics	Firm Volume Capacity	Firm Injection Capacity	Firm Withdrawal Capacity
# days			
Firm Injection Capacity/ Firm Withdrawal Capacity	kWh	kWh/Hour	kWh/Hour
170/170	1,000	0.245	0.245

*Table 1*

### 5.2. Maximum Quantity

The Maximum Total Number of SBUs offered in the Auction is 1,200,000 SBUs

### 5.3. Reservation Price

GSD's Reservation price is 3.00 €/MWh/year

### 5.4. Optionality

A Storage Customer that has been allocated storage capacity in the Auction may choose a storage product which is more flexible than SBUs characteristics stated in *Table 1*, clause 5.1. GSD can offer additional flexibility up to 120 days injection and 60 days withdrawal equal to 120/60 product, and possibly even more flexible product, subject to availability.

The unit prices for purchasing additional flexibility are:

- 750 €/MW/year for Firm Injection Capacity
- 2,100 €/MW/year for Firm Withdrawal Capacity

If the Storage Customer decides to make use of this optionality, the Storage Customer shall contact GSD not later than 16:00 on 31<sup>st</sup> of August by using the contact data notified in clause 8 in this Auction Rules.

The additional flexibility under this clause 5.4 will be offered, subject to the availability of the Firm Capacities, and in accordance with the First Come-First Serve Principle.

If the Storage Customer does not explicitly ask for additional flexibility within the stipulated deadline above, the conditions under clauses 5.1 and 5.3 shall apply.

### **5.5. Injection and Withdrawal Restrictions**

The offered SBUs may be subject to Injection and Withdrawal Restrictions. The Injection and Withdrawal Restrictions for all Storage Periods are stated in APPENDIX II to these Auction Rules.

## **6. THE AUCTION PROCESS**

6.1. The Auction is a **sealed bid** auction with a **Market Clearing Price**.

All Bids with a price equal to or higher than the Market Clearing Price, will be cleared to the Market Clearing Price.

6.2. One single Bid cannot be less than 1 SBU (1 MWh) or more than the Maximum Quantity specified in clause 5.2.

6.3. The Auction shall be conducted over one (1) round.

- i. The round will start at 11:00 and will close at 12:00 Danish time. Bids received outside this time will be rejected.
- ii. GSD shall confirm the receipt of Bid(s) with an email sent to the Bidder. The Bid(s) will not be regarded as received by GSD until the Bidder has received a confirmation from GSD. A confirmation of receipt does not constitute confirmation that any or all Bids received are valid Bids.
- iii. GSD will use reasonable efforts to notify by email any Bidder that has submitted an invalid Bid that the Bid in question has been rejected, stating the reason for the rejection.

6.4. All communication between the Bidder and GSD shall be made via email sent to [contact@gasstorage.dk](mailto:contact@gasstorage.dk).

6.5. Prior to the Auction, a bidding sheet (an excel sheet) will be published on GSD's website and sent by direct mail to all Storage Customers. Bid(s) shall be submitted by sending a completed bidding sheet by email to [contact@gasstorage.dk](mailto:contact@gasstorage.dk). The completed bidding sheet shall contain the following information:

- i. the identity of the Bidder (company name and contact information, such as the name, email and phone number of the contact person);

- ii. the quantity expressed as a non-negative whole number representing the total quantity the Bidder requests, in the unit "MWh";
  - iii. the price expressed as a non-negative number with up to three decimals, in the unit "€/MWh"; and
  - iv. the type of the bidding specified either as "fixed volume bid" or "fill bid", cf. clause 6.7.
- 6.6. During the Auction, the Bidder may change already submitted Bid(s) by submitting a new bidding sheet containing new Bid(s). The content of the new bidding sheet submitted by the Bidder will replace any previously submitted bidding sheet in its entirety, regardless of whether the number of Bids in such later bidding sheet is higher or lower.
- 6.7. At the end of the Auction, the Option will be allocated to the Bidders, as follows:
- i. a Bid with a price lower than the Reservation Price as specified in clause 5.3 will not be considered; and
  - ii. no more than the Maximum Quantity as specified in clause 5.2 will be allocated; and
  - iii. GSD shall sort all Bids from the highest to the lowest price:
    - If the total of all received valid Bids exceeds the Maximum Quantity offered in the Auction in compliance with clause 5.2, the Quantity of the first Bid that causes the Maximum Quantity to be exceeded (the "Exceeding Bid") will be reduced to a Quantity whereby the Maximum Quantity is no longer exceeded.
    - The reduction of Quantity will be performed only if a "fill bid" has been declared by the Bidder, who submitted the Exceeding Bid. In case of "fixed volume bid" has been declared for the Exceeding Bid, the Bid will be automatically withdrawn rather than reduced. This is to avoid that the Bidder, who submitted the Exceeding Bid receives only a minor quantity of capacity.
    - If there are identical Bids in price, declared as "fill bid", which also happened to be Exceeding Bids, GSD shall choose the Bid with the highest Quantity. If both Price and Quantity are identical, the Exceeding Bids will be reduced pro rata their Quantity, rounded to the nearest whole number.
  - iv. The Price of the last Bid or Exceeding Bid(s) before the Maximum Quantity offered in the Auction has been reached determines the Marked Clearing Price (the "Market Clearing Price") for the Auction.
- 6.8. All Bidders will be notified about the Auction outcome at 13:00 Danish time on the Auction Date.

- 6.9. The Market Clearing Price in the Standard Storage Agreement will be expressed in €/MWh with three decimals. The total price for the allocated capacity will be expressed in DKK with two decimals.

For the price conversion from € to DKK, GSD shall use the official exchange rate €/DKK with four decimals as published by the Danish Central Bank (Danmarks Nationalbank) on 29 August 2022.

## **7. MISCELLANEOUS**

- 7.1. The Storage Customer may not place Bid(s) exceeding the Storage Customers' Credit Limit. If GSD observes that the Storage Customer's Credit Limit has been exceeded, the Bid(s) submitted by the Storage Customer will be reduced accordingly unless the Storage Customer provides adequate additional security. For the avoidance of doubt, it should be mentioned that this principle applies during as well as after the Auction.
- 7.2. GSD shall in its sole discretion decide whether Bid(s) have been received in due time and fulfil the terms set out in these Auction Rules.
- 7.3. GSD is entitled to make decisions at its sole discretion on any matter regarding the conduction of the Auction, including whether or not to cancel, postpone, suspend or restart the Auction due to technical or operational reasons or in the event of obvious market errors regarding the bidding. In such case, GSD shall promptly inform the Storage Customers and the market.
- 7.4. No Storage Customer shall have any claim for damage or losses or any right for conduction of the Auction in the event of cancellation, postponement, or suspension.
- 7.5. GSD shall protect the confidentiality of the content of bids submitted during the Auction.
- 7.6. If Storage Customers are part of same Group, such Storage Customers shall in connection to the Auction be regarded as one single entity in respect of the Maximum Quantity. Furthermore, GSD reserves the right to cancel a Standard Storage Agreement either in full or in part, if GSD observes that companies within the same Group have placed bids, equal in pricing, constituting more than the Maximum Quantity.
- 7.7. GSD has the right to supply the Danish Utility Regulator (DUR) or other competent authorities with all data and information of the bidding activities carried out by the Storage Customer under the Auction, the provision of which is necessary to comply with GSD's obligations towards those authorities or where disclosure is required by applicable law.
- 7.8. When the Auction is closed, each Storage Customer having successfully participated in the Auction shall be informed about allocated SBUs and the Market Clearing Price. The remaining participants will be informed about the total number of SBUs allocated in the Auction and the Market Clearing Price.

- 7.9. The closing of the Auction shall be announced on GSD's website and by direct mailing to all Storage Customers.
- 7.10. GSD shall not later than three (3) Business Days after the closing of the Auction forward the Standard Storage Agreement, cf. APPENDIX I, to the Storage Customer successfully participated in the Auction.
- 7.11. These Auction Rules in addition with (1) the Standard Storage Agreement (APPENDIX I); (2) the description of restrictions, maintenance, and other payments during the Storage Period (APPENDIX II); and (3) the GTCGS in the version applying at any time; form the full contractual basis for the Sale.

In case of any discrepancy between these Auction Rules and the documents listed above, priority shall be given to the documents in the following order:

1. APPENDIX I;
2. APPENDIX II;
3. This Auction Rules;
4. GTCGS in the version applying at any time.

## **8. CONTACT**

If you have any questions, GSD can be contacted as follows:

Iliana Nygaard: +45 61243403  
Email: iny@gasstorage.dk

Søren Hyldegaard: +45 61244408  
Email: shy@gasstorage.dk



**APPENDIX I**

to the Auction Rules  
30 August 2022

**Standard Storage Agreement**  
between  
[Storage Customer]  
and  
Gas Storage Denmark A/S

Agreement ID: [XXX]

This Standard Storage Agreement has been entered between:

**Gas Storage Denmark**

Name: Gas Storage Denmark A/S  
Address: Tonne Kjaersvej 65  
Postcode and town: DK-7000 Fredericia  
Relevant contact: Rune H. Gjermundbo  
Telephone: +45 61240214  
Email: rhg@gasstorage.dk  
CVR no.: 29851247  
(hereinafter referred to as "GSD")

and

**Storage Customer**

Name: [XXX]  
Address: [XXX]  
Postcode and town: [XXX]  
Relevant contact: [XXX]  
Telephone: [XXX]  
Email: [XXX]  
CVR no.: [XXX]  
VAT no.: [XXX]  
(hereinafter referred to as "Storage Customer")

**1. Definitions**

Unless otherwise expressly stated, capitalized words shall have the meaning defined in the General Terms and Conditions for Gas storage ("GTCGS") in the version applying at any time.

**2. Storage Period**

This Standard Storage Agreement has the following Storage Period:

1-APR-2023 at 06:00 hours to 1-APR-2024 at 06:00 hours.

**3. Capacities**

The Storage Customer's Firm Capacities are as follows:

Maximum Firm Volume Capacity: [XXX] kWh  
Maximum Firm Injection Capacity: [XXX] kWh/Hour  
Maximum Firm Withdrawal Capacity: [XXX] kWh/Hour

**4. Injection Restrictions and Withdrawal Restrictions**

The Standard Storage Agreement may be subject to Injection and Withdrawal Restrictions pursuant to clause 5.6 of GTCGS. Prior to conclusion of the Storage Agreement, the Injection and Withdrawal Restrictions in force for the Storage Period concerned was announced on GSD's website.

## 5. Payments

The Storage Customer's purchase and use of Firm Capacity under this Standard Storage Agreement shall be subject to the following charges:

a) Capacity charge for the Firm Capacity amounts to: [X,XXX,XXX.XX] DKK/Storage Period

The capacity charge for the Firm Capacity is calculated based on a unit price of [X.XX] €/MWh for the Storage Period and is subsequently converted to Danish Krone by using the exchange rate [X.XXXX] €/DKK of the Danish Central Bank (Danmarks Nationalbank) with four decimals, as published on 29 August 2022.

The capacity charge for Firm Capacity is payable 1/12 on monthly basis during the Storage Period.

b) Charge for the injection of Natural Gas is based on the quantities of Natural Gas that the Storage Customer injects into the Storage Facilities.

Relevant taxes and charges must be added to the payment set out above. Further, other charges payable shall be based on clause 9 of GTCGS.

## 6. Service related to Filling Requirements

GSD offers a service to monitor that the Storage Customer is compliant with an agreement on Filling Requirements concluded between the Storage Customer and the Energinet System Operator, if relevant. The Storage Customer may request GSD to deliver this service pursuant to section 7.5.6 of GTCGS.

## 7. Contact details

The Storage Customer can contact GSD's control centre round-the-clock concerning operational issues:

### GSD's control centre gas

Name:	Control Centre Gas
Address:	Tonne Kjærvej 65
Postcode and town:	DK-7000 Fredericia
Telephone:	+45 7070 1961
Telefax:	+45 7022 0328
Email:	kontrolcentergas@energinet.dk
Relevant contact:	Dispatcher on duty

If GSD round-the-clock has a need to get in contact with the Storage Customer concerning operational issues, GSD will contact the contact for operations as specified below:

### Storage Customer (within Business Hours):

Name:	[XXX]
Email:	[XXX]
Telephone:	[XXX]

### Storage Customer (outside Business Hours)

Name:	[XXX]
Email:	[XXX]
Telephone:	[XXX]

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Unless otherwise agreed, this Standard Storage Agreement is subject to the version of GTCGS applicable at any time, which the Storage Customer by signing this Standard Storage Agreement accepts to be bound of. In case of conflict between this Standard Storage Agreement and GTCGS, this Standard Storage Agreement shall prevail.

Stenlille, / / 2022

, / / 2022

Gas Storage Denmark A/S:

[name of Storage Customer]:

\_\_\_\_\_  
Rune H. Gjermundbo  
Head of Business Operations

\_\_\_\_\_  
[Name and title of employee]

## **APPENDIX II**

to the Auction Rules  
30 August 2022

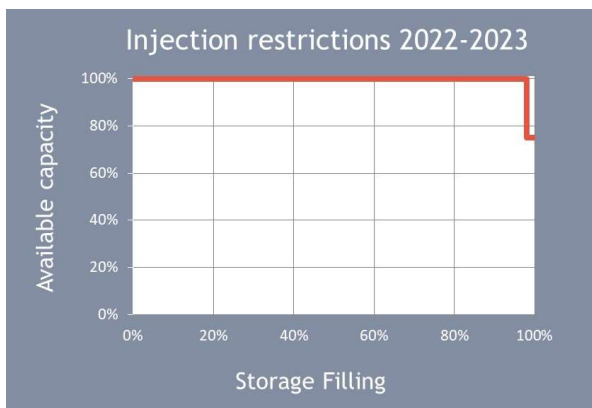
### **Description of restrictions, maintenance, and other payments during the Storage Period**

The Standard Storage Agreement, cf. Appendix I, is subject to Injection and Withdrawal Restrictions. The Injection and Withdrawal Restrictions are set in accordance with GTCGS applicable at any time.

#### **A. Injection Restrictions**

75% of the injection capacity is available when the storage facility is filled up 95% or more. All injection capacity is available when the storage filling is below 95%.

The Injection Restrictions in SY2023 are expected to be unchanged compared to the injection restrictions valid in SY2022, which are shown on the diagram below:



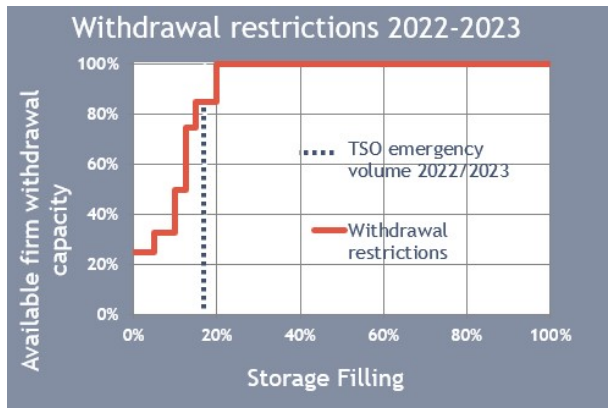
#### **B. Withdrawal Restrictions**

The withdrawal restrictions in SY2023 are not fully assessed yet and there could be some minor adjustments compared to the withdrawal restrictions valid in SY2022.

For information, the Withdrawal restrictions in SY2022 are as follow:

- 85% of the withdrawal capacity is available when the storage filling is at or below 20%,
- 75% of the withdrawal capacity is available when the storage filling is at or below 15%,
- 50% of the withdrawal capacity is available when the storage filling is at or below 12.5%,
- 33% of the withdrawal capacity is available when the storage filling is at or below 10%,
- 25% of the withdrawal capacity is available when the storage filling is at or below 5%.

The Withdrawal Restrictions for SY2022 are illustrated in the following figure:



The final curve for withdrawal restrictions in SY2023 will be announced in Q1 2023.

### C. Restrictions on storage access due to maintenance

There will be no restrictions on storage access due to planned maintenance in SY2022. The similar is expected in SY2023.

### D. Variable charge

#### i) Variable charge for injection

In accordance with GTCGS, a variable charge for injection into the storage facility will be applied, unless otherwise informed by GSD. The variable charge reflects the expected costs associated with the gas being injected into and withdrawn from the storage facility.

The variable injection charge in SY2022 is 0.002731 DKK/kWh (approx. 0.36 €/MWh).

#### ii) Flat-rate product

With this product the payment of the variable injection charge (i) can be replaced by an upfront fixed payment.

The payment for flat rate is 0.002731 DKK/kWh (approx. 0.36 €/MWh) applied to the Firm Volume Capacity booked in SY2022.

GSD expects the charge for Variable Injection and the Flat rate payment in SY2023 to increase corresponding to the general increase of the prices for power and gas on the energy markets in SY2023 compared to SY2022. The final charges for Variable Injection and Flat rare will be announced in Q1 2023.

Please note that according to section 9.1 d of GTCGS, GSD is entitled to adjust tariffs incl. the charge for variable injection (i) and the Flat rate payment (ii), on an on-going basis.