

# Storage Specification

**Erdgasspeicher Peissen GmbH**

(hereinafter referred to as the "**Storage Service Provider**")

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UGS KATHARINA  
Erdgasspeicher Peissen GmbH

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## 1. Introduction

- 1.1. This Storage Specification shall form an integral part of the Storage Service Agreement as its Annex 3 and as amended from time to time.

The definitions and terms set out in Article 1 of the Storage Access Conditions (Annex 1 of the Storage Service Agreement) shall apply accordingly if not otherwise defined herein or unless the context requires otherwise.

- 1.2. The Storage Specification specifies and defines the operational parameters applicable to the Storage Facility, in particular, the details and requirements for the provision of Storage Services in view of Bundled Products related to the Storage Facility by the Storage Service Provider. The Storage Facility is located on the territory of the Federal Republic of Germany and is currently connected to the German pipeline system of GASCADE Gastransport GmbH at the network connection point Bobbau EIC-Code 21Z000000000372I.
- 1.3. The pipeline to the grid connection point Bobbau with a length of 37 km which connects the UGS Katharina Natural Gas Storage Facility with the JAGAL pipeline system of GASCADE Gastransport GmbH in the Bobbau Region is also integral part of the Storage Facility.
- 1.4. To round the calculations of this Storage Specification up or down the intermediate calculations shall be rounded up or down to four (4) decimal places and the final results to two (2) decimal places. If the fifth (5th) or third (3rd) decimal place respectively should be five (5) or more, the sum shall be rounded up, if it is less than five (5), it shall be rounded down.

## 2. Storage Services

- 2.1. In view of concluding Storage Service Agreements, the Storage Service Provider offers the Storage Services pursuant to the provisions of the Storage Service Agreement (including its Annexes).
- 2.2. The Storage Customer shall be entitled to inject the Natural Gas and withdraw the Natural Gas at any time during the entire term of the Storage Service Agreement.
- 2.3. The Storage Service Provider offers all types of Storage Services as Bundled and Unbundled Products on a firm and interruptible basis.



- 2.4. The Storage Services offered by the Storage Service Provider shall be subject to the technical restrictions imposed by the operation of the Storage Facility and, in particular, subject to both the Injection and Withdrawal Parameters pursuant to the applicable provisions of this Storage Specification as amended.
- 2.5. The Storage Service Provider provides the Storage Customer with both graphic and tabular surveys on freely available, reserved or firmly booked Storage Capacities through its website [www.ugs-katharina.de](http://www.ugs-katharina.de).

### **3. Storage Products**

- 3.1. Subject to the availability there shall be Bundled and Unbundled Products bookable on a firm and interruptible basis.
- 3.2. Storage Service Provider makes available a Bundled Product composed of the following parameters in the following relation (Standard Bundled Unit "SBU"):

Injection Capacity (maximum):	9.275 MWh/h
Withdrawal Capacity (maximum):	18.55 MWh/h
Working Gas Volume:	11,215 MWh

subject to further clarification in Article 7 hereof.

- 3.3. The availability of any Storage Service shall be subject to the limitations of the applicable Injection and Withdrawal curves according to Article 7 hereof.
- 3.4. In relation to Unbundled Products if available any Storage Customer may book Injection Capacities, Withdrawal Capacities and Working Gas Volumes in a ratio or a combination at the Storage Customer's sole discretion upon approval by the Storage Service Provider.
- 3.5. With respect to Interruptible Storage Services the Storage Service Provider may interrupt the Injection and/or Withdrawal Capacities of the Storage Customer completely or partially with at least two (2) Hours' notice.

### **4. Storage Fee (Fixed and Variable Storage Fee)**

- 4.1. By entering into the Storage Service Agreement, the Storage Customer agrees to pay the stipulated Fixed Storage Fee and Variable Storage Fee



to the Storage Service Provider pursuant to the provisions of the respective Storage Service Agreement.

- 4.2. The Fixed Storage Fee for the Bundled Products according to Article 3.2 hereof shall be expressed in EUR/SBU/Period.
- 4.3. All fees and prices mentioned in any applicable document are net fees and prices; any statutory turnover tax that is due shall be charged separately at the applicable tax rate.
- 4.4. In the event a Storage Customer exceeds its booked Storage Capacities, either by injection of natural gas bringing the Storage Customers Storage Account to a storage level of more than 100% of the booked Working Gas Volume, or that the Storage Customer fails to withdraw its stored gas and brings down the storage level to 0 at the end of the Storage Period the Fixed Storage Fee as per section 4.1- 4.3 increases by 20%.

## **5. Adjustment of Storage Fee**

- 5.1 For a contract duration of less than two years no Adjustment of the Fixed Storage Fee should take place.
- 5.2 The Variable Storage Fee shall be adjusted as defined in Article 24.5 of the Storage Access Conditions (Annex 1 to the Storage Service Agreement).
- 5.3 Any adjusted Storage Fee shall be mathematically rounded to two decimal places.

## **6. Time Restrictions**

- 6.1. The Storage Services offered by the Storage Service Provider pursuant to Article 2 hereof shall be subject to the technical restrictions imposed by the operation of the Storage Facility in accordance with both the provisions of the following Article 7.2 hereof and any other technical and time restrictions in accordance with any information made available to the Storage customer by the Storage Service Provider on his website or otherwise.
- 6.2. The following changeover and start-up times shall be required for the operation of the Storage Facility by the Storage Service Provider:

6.2.1. Lead time for injection: up to 02:00 hours



- 6.2.2. Lead time for withdrawal: up to 02:00 hours
- 6.2.3. Flow reversal time for injection/withdrawal: normally up from 02:00 to 03:00 hours
- 6.2.4. Flow reversal time for withdrawal/injection: normally up from 02:00 to 03:00 hours
- 6.3. The Storage Service Provider allows the Storage Customer to submit a Re-nomination request which is required to be submitted two (2) hours ahead of the envisaged change. The Storage Service Provider, however, reserves the right to reject the Re-nomination request in exceptional cases for technical reasons. Nevertheless, the Storage Service Provider, is also entitled to accept a Renomination request submitted less than two (2) hours ahead of the envisaged change in case of technical availability.

## **7. Injection and Withdrawal Parameters**

- 7.1. All Storage Services offered by the Storage Service Provider with regard to the Storage Facility are limited by the Injection and Withdrawal Parameters applicable to the Storage Facility.
- 7.2. The following Injection and Withdrawal Parameters applicable to the Storage Facility shall apply to all Bundled Products provided by the Storage Service Provider and as being amended from time to time:
  - a) Injection characteristic curve (logic)

The maximum Injection Capacity is subject to a characteristic curve restriction with the curve logic described and published separately in Annex 3.1 to this Annex 3 which is determined by technical reasons.

- b) Withdrawal characteristic curve (logic)

The maximum Withdrawal Capacity is subject to a characteristic curve restriction with the curve logic described and published separately in Annex 3.2 to this Annex 3 which is determined by technical reasons.

- c) In due time before April 1<sup>st</sup> of each Storage Year the Storage Service Provider shall publish the Injection and Withdrawal characteristic curves (logic) relevant for the subsequent Storage Year (unless adjusted)



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by uploading the relevant Annexes 3.1 and 3.2 on its website <http://www.ugs-katharina.de> adjusted based on the most recent technical examinations and findings.

- 7.3. The Storage Service Provider shall be entitled to reduce the Injection Capacities in accordance with the Injection Parameters.
- 7.4. The Storage Service Provider shall be entitled to reduce the Withdrawal Capacities in accordance with the Withdrawal Parameters.
- 7.5. The Storage Service Provider agrees to publish any technical information that may have an adverse effect on both the Injection and Withdrawal Parameters.
- 7.6. The cavity space of each cavern of the UGS Katharina is subject to natural convergence that is under usual circumstances approx. 0.3% of the respective cavity per year. EPG is entitled to reduce the contracted Working Gas Volume of the Storage Customer once per year before the start of the new storage year in the amount required to reflect the effects of natural convergence. The Storage Customer shall be informed about this reduction latest 4 weeks before the beginning of the subsequent storage year. In case of such a reduction the Fixed Storage Fee should be reduced accordingly.

## **8. Delivery Point/Allocation**

- 8.1. Delivery Point means the network connection point Bobbau EIC-Code 21Z00000000372I connected to the market area Trading Hub Europe, or any successor, and operated by Gascade Gastransport GmbH.
- 8.2. During the injection period, the Storage Customer delivers to the Storage Service Provider the Natural Gas quantities to be injected at the Delivery Point of the Storage Facility.
- 8.3. During the withdrawal period, the Storage Service Provider delivers to the Storage Customer the Natural Gas quantities to be withdrawn at the Delivery Point of the Storage Facility.
- 8.4. The Allocation Procedure with regard to the Katharina Natural Gas Storage Facility shall be deemed allocated as nominated.



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- 8.5. Upon explicit request of the Storage Customer the Storage Service Provider has to provide via email a Gas Storage Protocol on a monthly basis as information on the current storage level.
- 8.6. In view of the Variable Storage Fee the quantity of power consumed for injection/withdrawal of Gas shall be stipulated in the monthly invoices and the cost of this power shall be itemized in the monthly invoices.
- 8.7. The Storage Service Provider shall transfer to Storage Customer, by the 5th Working Day of each Month in which invoicing is undertaken, an injection/withdrawal protocol related to the services rendered in connection with the injection and withdrawal of the Gas.
- 8.8. With regard to the gas quality specifications at the Delivery Points mentioned in this Article 8 hereof, the provisions of the respective network operator pursuant Article 8.1 shall apply accordingly.