

RWE

Product sheets

RWE Gas Storage CZ



About us

We are the biggest underground gas storage operator in the Czech Republic. We operate a total of 6 underground gas storages on the virtual storage principle with the total working volume 29 TWh. We are improving quality and quantity parameters of our storage so as to continuously comply with the requirements of all stakeholders.

Our customer approach is based on **TRANSPARENCY**, **RELIABILITY** and **FLEXIBILITY**.

Transparency

- Publication of all historical auction prices and prices of all other services
- Daily updates of operational data
- Transparent capacity bookings via auction
- Price for bundle already contains fuel gas

Reliability

- 6 storages with total WGV of 29 TWh are operated as a pooled storage
- Minimum impact of shutdowns on nominations
- High safety standards of all storage facilities





Flexibility

- Wide product portfolio
- Online platform for service ordering
- Flexible customization of your storage bundle
- Dispatching 24/7 (ENG, DE, CZE)





Standard products

-  Fixed price
-  FIST
-  WBS/WBS+
-  Option
-  Green energy storage

Additional products

-  Interruptible capacity
-  Daily firm capacity
-  Temporary working gas volume (tWGV)
-  Guaranteed reverse capacities

Services

-  Transfer and Lease of storage capacity
-  Secondary capacity
-  Gas transfer
-  Remit reporting



Standard products



Standard products

We offer storage capacity as a combination of working gas volume, injection and withdrawal capacity which are sold together as a Bundle (SBU). Our current standard products are FIXED PRICE, FIST, WBS/WBS+ and OPTION.

Every contract has its own injection and withdrawal curves that show the maximum volume which can be injected or withdrawn for each day of the contracts duration depending on the current filling level. You can choose from slower or faster SBU.

According to the Gas market rules we offer monthly, and yearly capacities via online auctions in our **Auction system**.

For monthly storage capacity the minimum storage period is 1 month. For yearly storage capacity the minimum storage period is 1 year and the maximum storage period is 15 years.

All our upcoming auctions are published on our website with the specific auction conditions for each one.

Each applicant interested to take part in the tender is obliged to affirm fulfillment of the conditions of participation for tender in the **Auction system** before the relevant auction starts.



Fixed price



FIST



WBS/WBS+



Option



Green energy storage



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Fixed price

“Classic that never gets old”



INTRODUCTION

Our basic product is SBU for a fixed price. The price is known right after the auction and remains the same throughout the entire duration of the contract.

PRICING

The price depends on the auction results and will be known right after the auction. The starting price per MWh/year (period) and the price increment is set by us.

REQUEST/ORDER

Via our **Auction system**



ADVANTAGES

- ✓ Price known right after the auction
- ✓ Most common pricing type
- ✓ Suitable for suppliers



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FIST

“Whether fix or market price, your portfolio can rise”

☆☆☆ fun factor

INTRODUCTION

Calculation of the final price for storage capacity is based on SW spreads which will be calculated for selected days during two periods P1 and P2.

In the first period P1, these days are selected according to the decision of the Storage User for a static SW spread (set in the auction conditions), in second period P2, these days are selected by us based on the current market SW spread.

Add-on (D), which is the subject of the auction, will be added to the SW spread. For the periods P1 and P2 the Minimum and Maximum prices are both defined.

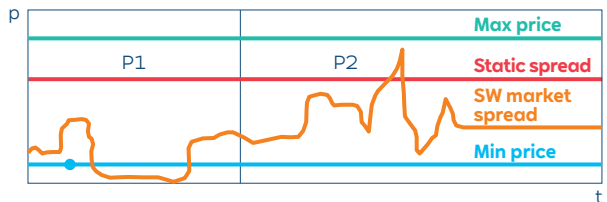
PRICING

$$P_D = SW_D + D$$

P_D Price

SW_D Summer-winter spread for the fixation day

D Add-on



REQUEST/ORDER

Via our **Auction system**



ADVANTAGES

- ✓ Fixation of capacity (or its part) when market conditions are suitable for Storage User
- ✓ Period long enough to leverage the best market conditions
- ✓ Each storage period can be priced differently
- ✓ Fixing volume in advance while still using the relevant market conditions
- ✓ Suitable mostly for traders
- ✓ Great for long-term storage



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WBS/WBS+

“Once a week, all you need”



INTRODUCTION

Weekly Based Storage is a product where the price of storage capacity is determined based on SW spreads calculated only on days selected by the Storage User.

Add-on (D), which is subject of the auction, will be added to the SW spread. The Minimum and Maximum prices are both defined.

No later than one working day prior to the first day of the fixation period, the Storage User shall inform us of one working day in a week on which Partial fixation of the booked capacity shall be regularly determined throughout the fixation period.

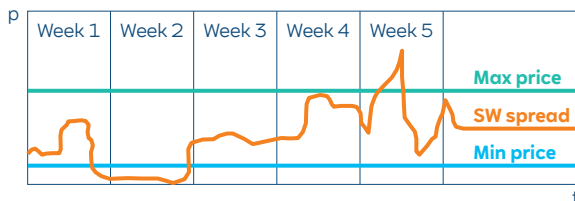
PRICING

$$P_D = SW_D + D$$

P_D Price

SW_D Summer-winter spread for the fixation day

D Add-on



REQUEST/ORDER

Via our **Auction system**



1.	2.	3.	4.	5.	6.	7.
M	T	W	T	F	S	S

ADVANTAGES

- ✓ If the storage price P_D falls below the Minimum price, the Storage User has the right to decide whether or not to fix a certain volume
- ✓ Suitable mostly for traders
- ✓ WBS+ allows for not fixing the entire booked volume



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Option

“Book now, hedge later”



INTRODUCTION

OPTION gives Storage User flexibility of decision after booking the capacity in an auction whether to allocate the capacity (in whole or in part) or to reject the contract and pay a penalty fee.

The Storage User may request the transfer of the reserved storage capacity to fixed storage capacity in whole or in part, even repeatedly, but no later than by the date specified in the auction conditions and up to the amount of reserved storage capacity.

PRICING

- P_R Final unit price for storage capacity
- V_F Allocated storage capacity
- P_F Unit price based on the result of the auction
- V_N Unallocated storage capacity
- P_N Fee per unit of unallocated capacity

$$P_R = \frac{V_F}{V_F + V_N} \times P_F + \frac{V_N}{V_F + V_N} \times P_N$$



REQUEST/ORDER

Via our **Auction system**



ADVANTAGES

- ✓ Low cost in case of unallocated capacity
- ✓ Flexibility in decision when to allocate the volume, thus securing the most advantageous market conditions
- ✓ Advantages of the classic option
- ✓ Suitable for traders and suppliers



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Green energy storage

“The future is green”



INTRODUCTION

Parameters of GES, Green energy storage correspond to our fixed price bundle. The only difference is that Green energy storage relies on green energy for injecting and withdrawing gas to and from our storage facilities.

Depending on the auction results we commit to purchase biomethane and green electricity to drive compressors used in gas injection and withdrawal (the quantities are calculated for one cycle). The origin of the purchased green energy is certified under a Proof of Sustainability issued by International Sustainability & Carbon Certification and European Energy Certificate System certification issued by OTE.

PRICING

Price of the Green energy storage consists of auctioned price plus green premium – the cost of buying green electricity and biomethane.

REQUEST/ORDER

Via our **Auction system**



ADVANTAGES

- ✓ The carbon footprint of Storage User who opts to use to use Green energy storage is at least 73 % lower compared to products relying on natural gas and electricity
- ✓ Certified proof of origin of green energy
- ✓ Possibility to merge with fixed price bundle



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Additional products



Additional products

Beside our standard products, we also offer additional products such as INTERRUPTIBLE CAPACITY, DAILY FIRM CAPACITY, TEMPORARY WORKING GAS VOLUME (tWGV), GUARANTEED REVERSE CAPACITIES.

Additional products are suitable for Storage Users who would like more flexibility or to adjust their contracts.

Buying additional products is possible via our [GSN Nomination Portal](#) and by signing the respective framework contracts.



Interruptible capacity



Daily firm capacity



tWGV



Guaranteed reversed capacities



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Interruptible capacity

INTRODUCTION

Daily interruptible injection and withdrawal capacity is offered to our existing customers. The capacity is sold in kWh per day and is added to the capacity of the existing contract.

Interruptible capacity can be (partially) interrupted by us at any time.

Available capacity depends on current nominations and technical constraints of our storage sites.

There are 2 types of interruptible capacity:

- Day-ahead interruptible capacity can be booked until 18:00 GD-1
- Intraday interruptible capacity can be booked between 18:00 GD-1 till 23:59 GD

PRICING

The price of the interruptible injection and withdrawal capacity is based on the pay-as-bid principle with the highest bid price being the most likely to be satisfied. In case the same price is bid by multiple Storage Users, the price depends on time of the request.

The minimum price can be found on our [website](#).



REQUEST/ORDER

Via our [GSN Nomination Portal](#)



ADVANTAGES

- ✓ Immediate availability
- ✓ Lower price than daily firm capacity
- ✓ Storage User decides volume and timing
- ✓ Flexible adjustment of SBU
- ✓ Storage User can choose between withdrawal and injection



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Daily firm capacity

INTRODUCTION

Daily firm withdrawal and injection storage capacity is offered to our existing customers. The capacity is sold in kWh per day and is added to the capacity of the existing contract.

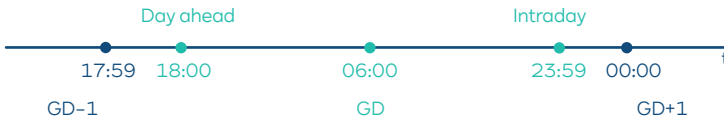
Available capacity depends on nominations and technical possibilities of our storage sites.

There are 2 types of daily firm capacity:

- Day-ahead daily firm capacity which can be booked until 18:00 GD-1,
- Intraday daily firm capacity can be booked between 18:00 GD-1 until 23:59 GD.

PRICE

The price is set by us and varies depending on the time of request. The current price can be found on our [website](#) and we apply First-come-first serve principle.



REQUEST/ORDER

Via our [GSN Nomination Portal](#)



ADVANTAGES

- ✓ Cannot be interrupted by us
- ✓ Immediate availability
- ✓ Flexible adjustment of SBU
- ✓ Storage User decides about timing and volume
- ✓ Storage User can choose between withdrawal and injection
- ✓ Immediate confirmation of capacity allocation via e-mail



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Temporary working gas volume (tWGV)

INTRODUCTION

Our existing and also new Storage Users can buy additional working gas volume for a period defined by us.

The start date and length of a Storage Contract for temporary working gas volume is defined by the Storage User based on his needs within the limits of available capacity. Temporary working gas volume can be ordered for a minimum period of one gas week. We have the right to set the time period during which the part of the volume must be withdrawn.

PRICING

Price is fixed and set by us or auctioned via our Auction system. The currently available volumes and prices are published on our [website](#).

REQUEST/ORDER

Via our [GSN Nomination Portal](#) and [Auction system](#)



ADVANTAGES

- ✓ Possibility to add additional injection/withdrawal rates
- ✓ Usually lower price than storage volume in SBU
- ✓ Can be ordered for any period (7 days minimum)



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Guaranteed reverse capacities

INTRODUCTION

The reverse capacity service contractually guarantees to present Storage Users the possibility to use the injection and withdrawal capacities in the direction opposite to that of the basic injection period (April–September) and basic withdrawal period (October–March).

The guarantee applies to both nominations and renominations. In addition, for renominations, the change of direction is guaranteed at the same time as for renominations without a change of direction (i.e. within 2 hours of the renomination becoming effective).

The Storage User can request this service for any firm storage capacity contract, to which the guaranteed reserve capacities will then be allocated.

PRICING

The price for the guaranteed reverse capacities service consists of the fixed monthly price for the reservation of each MWh of the daily guaranteed reverse capacity and the performance component of the price for each MWh of the used injection or withdrawal capacity. Price is fix and set by us. Current price can be found on our [website](#).

REQUEST/ORDER

Via e-mail

ADVANTAGES

✓ Flexible utilization of the storage capacity



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Services



Services

We also offer services such as SECONDARY CAPACITY, REMIT REPORTING, GAS TRANSFER and TRANSFER AND LEASE OF STORAGE CAPACITY which are available for all Storage Users.

For our Storage Users who have more than one contract we also offer the MERGING OF CONTRACTS.

All of these services are available for all our customers simply by signing the relevant contracts or by submitting a request via our **GSN Nomination Portal**.



**Transfer and Lease
of storage capacity**



Secondary capacity



Gas transfer



Remit reporting



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Transfer and Lease of storage capacity

INTRODUCTION

We enable Transfer and Lease of contractual storage capacity up to the capacity and up to the period negotiated by the current customer in the Storage agreement.

Difference between Transfer and Lease is that Transfer becomes effective upon execution of a new agreement between us and a new Storage User. In the event of a Lease, the original entity remains a contractual party of us.

A request for storage capacity Transfer can be submitted no later than 15 calendar days before the beginning of the gas month from which the Transfer should be effective, a Lease can be filled no later than 3 business days before the date from which the Lease should become effective.

PRICING

This service is free of charge.

REQUEST/ORDER

Via our [GSN Nomination Portal](#)



ADVANTAGES

- ✓ No fees
- ✓ Optimization of the Storage contract portfolio



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Secondary capacity

INTRODUCTION

The secondary capacity auction is designated for existing Storage Users interested in secondary sale of their booked storage capacity through electronic auction. Based on the result of the auction, we do a subsequent transfer or lease of the booked storage capacity.

The Storage User can offer booked storage capacity (either whole or in part) in the form of a bundle or in the form of separate working gas volume, injection or withdrawal capacity using our **Auction system**.

The Storage User can offer such storage capacity for a shorter period or also with a ratio of working gas volume, injection and withdrawal rates other than that which is stated in the Storage Contract. Only the injection and withdrawal curves have to be left unchanged. Storage User can also set other conditions depending on his needs.

PRICING

Storage User and us shall jointly agree on the price of the service.

REQUEST/ORDER

Via e-mail or phone

ADVANTAGES

- ✓ Using the environment of our Auction system and customer portfolio
- ✓ Auction conditions defined by the Storage User
- ✓ Optimization of the Storage User portfolio



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Gas transfer

INTRODUCTION

A transfer can be done between two contracts of one Storage User or between two Storage Users. The transfer of gas between two Storage Users is possible only provided that an application has been submitted by both involved parties and with consent of us. The gas transfer will be performed within 3 days.

Both parties involved must confirm the transaction.

PRICING

Price is fixed and set by us. The current price can be found on our [website](#).

REQUEST/ORDER

Via our [GSN Nomination Portal](#)



ADVANTAGES

- ✓ Optimization of portfolio
- ✓ Fast realization
- ✓ No fees when transferring gas from old contract to a new one



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Remit reporting

INTRODUCTION

We provide needed data (gas stock amount, available storage capacity, etc.) of our virtual storage and also on behalf of our customers to ACER (Agency for the Cooperation of Energy Regulators). All data is sent via GIE (Gas Infrastructure Europe – association representing the infrastructure industry in the natural gas business).

PRICING

This service is provided free of charge.

REQUEST/ORDER

You can sign up for this service by signing the contract.

ADVANTAGES

- ✓ Outsourcing of obligatory storage reporting
- ✓ No fees



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7 steps towards becoming our customer

- 1 Auction system registration and participation in an auction
- 2 Signing the contract after winning storage capacity
- 3 Proof of financial credibility before start of the contract
- 4 Transmission capacity booking at NET4GAS
- 5 Nominations
- 6 Payments
- 7 Framework contracts for additional products and services

Do not hesitate to contact us!



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