UGS KATHARINA
Erdgasspeicher Peissen GmbH

General Determination Procedure for the Variable Tariff

The Variable Tariff will be annually determined according to the below described Procedure. It amounts for injected or withdrawn gas quantities:

- 1st part of the Storage Year 2022/2023 (01.04.2022 – 31.08.2022): 0.0045900 EUR/m³
- 2nd part of the Storage Year 2022/2023 (01.09.2022 – 01.04.2023): 0.0112500 EUR/m³

1. Compensation payment for the last calendar year (reconciliation invoice)

For the compensation payment for overpaid or underpaid Variable Storage Fee paid upfront, the **Total resulting costs (K)** and the **Total Variable Storage Fee paid upfront (T)** are compared. The cost components that are considered for UGS Katharina and a pictorial representation of the process can be seen below.

Total resulting total costs (K) during previous Calendar Year ⟷ **Total Variable Storage Fee paid upfront (T) during previous Calendar Year**

No.	Considered cost component
1	Electrical energy
2	Balancing energy
3	Electrical grid
4	Additional consumers for electric energy
4.1	Measuring station 1
4.2	Measuring station 2
4.3	Measuring station 3
5	Gas consumption
5.1	Gas consumer 1
5.2	Gas consumer 2
K (Total resulting costs)	

Customer	prepaid Variable Storage Fee
Customer 1	X_1
Customer 2	X_2
…	…
Customer n	X_n
Total Variable Storage Fee paid upfront (T)	$T = \sum_{i=1}^{n}(X_i)$

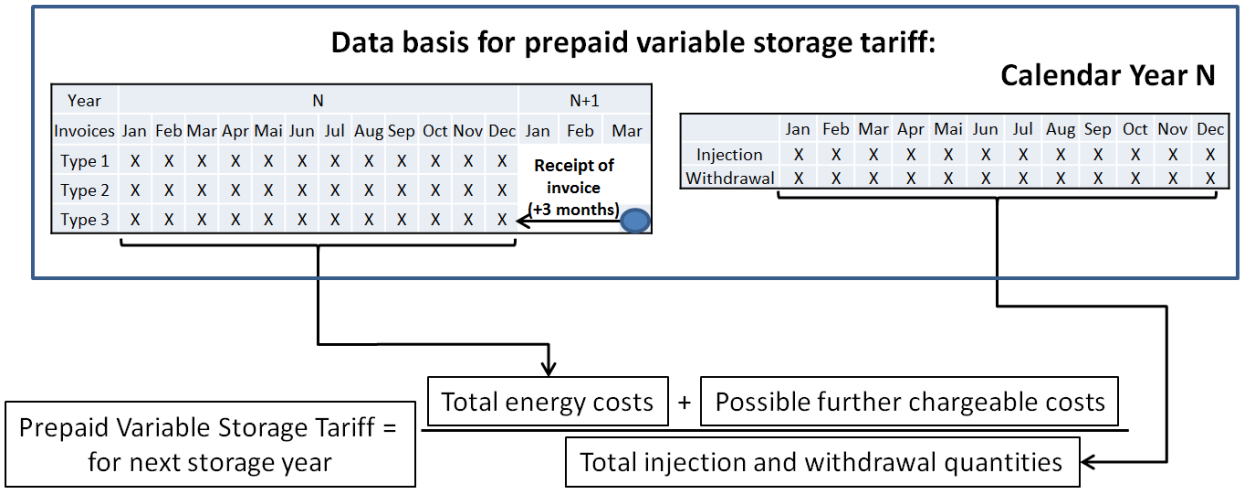
	Customer 1	Customer 2	…	Customer n	Total
prepaid Variable Storage Fee	X_1	X_2	…	X_n	$T = \sum_{i=1}^{n}(X_i)$
Percentage share [in %]	$\frac{X_1}{T}$	$\frac{X_2}{T}$	…	$\frac{X_n}{T}$	**100.00 %**
Compensation payment	$\frac{X_1}{T} * (K - T)$	$\frac{X_2}{T} * (K - T)$	…	$\frac{X_n}{T} * (K - T)$	**K-T**

If the **Total resulting costs (K) < Total Variable Storage Fee paid upfront (T),** there will be a pro rata payback to each storage customer i by EPG according to their portion of variable fee paid in advance, in an amount of $\frac{X_i}{T} * (K - T)$**.**

If the **Total resulting total costs (K) > Total Variable Storage Fee paid upfront (T),** there is the need for a pro rata additional payment of the storage customer i to EPG according to their portion of variable fee paid in advance, in an amount of $\frac{X_i}{T} * (K - T)$.

2. Determination of prepaid Variable Tariff for the following Storage Year starting on the 1st of April of respective Calendar Year.

On the basis of the invoices for energy of the previous Calendar Year, the total costs under consideration are calculated. As can be seen in the figure below there is a time difference between the data basis of the Variable Tariff and the time at which the new rate is introduced. Due to the fact that certain energy invoices (i.e., balancing energy) are received with a time offset of 3 months to the end of the previous Calendar Year. The total costs are divided over the sum of injection and withdrawal in order to obtain a new Variable Tariff.



Detailed composition of the Formula for the calculation of the new prepaid Variable Storage Tariff:

$$prepaid\ Variable\ Tarif f_{new} = \frac{\text{Total costs}}{Sum\ of\ injection\ and\ withdrawal}$$

No.	Considered cost component
1	Electrical energy
2	Balancing energy
3	Electrical grid
4	Additional consumers for electric energy
4.1	Measuring station 1
4.2	Measuring station 2
4.3	Measuring station 3
5	Gas consumption
5.1	Gas consumer 1
5.2	Gas consumer 2
Total costs (K)	

Customer	Injection	Withdrawal
Customer 1	I_1	W_1
Customer 2	I_2	W_2
Customer …	…	…
Customer n	I_n	W_n
Sum of injection and withdrawal	$= \sum_{i=1}^{n} (I_i + W_i)$	

In the event that a representative injection and withdrawal quantity for a calendar year is not achieved, the Storage Service Provider may retain the Variable Tariff from the previous Calendar Year.

In the event it becomes apparent that the Total costs (K) within a Calendar Year increases/decreases significantly EPG shall recalculate the amount of the prepaid Variable Storage Tariff accordingly to mitigate the negative effect of the price developments and align the costs burden between the Storage Customers and the Storage Service Provider.

The recalculation of adjusted prepaid Variable Storage Tariff shall be performed on the basis of the total forecasted injection and withdrawal quantities till the end of Calendar Year and the amount of forecasted Total costs (K) during the same time period based on current prices / forecasted prices. The adjusted prepaid Variable Tariff will be applied proactively over the forecasted period till the end of Storage Year, if no further adjustments are necessary.

The composition of the Formula for the calculation of the adjusted prepaid Variable Storage Tariff:

$$adjusted\ prepaid\ Variable\ Tarif f_{adj} = \frac{\text{Total forecasted Total costs (K)}}{forecasted\ sum\ of\ injections\ and\ withdrawals}$$

No.	**Considered cost component**
1	Forecasted Electrical energy
2	Forecasted Balancing energy
3	Forecasted Electrical grid
4	Forecasted Gas consumption
4.1	Gas consumer 1
4.2	Gas consumer 2
Total forecasted costs (K)	

Customer	**Forecasted Injections**	**Forecasted Withdrawals**
Customer 1	I_1	W_1
Customer 2	I_2	W_2
Customer …	…	…
Customer n	I_n	W_n
Sum of forecasted injections and withdrawals	$= \sum_{i=1}^{n} (I_i + W_i)$	