

# Balancing Operator

Registration Information Session 14.07.2022



### Neues Marktmodell

- BGV
- Versorger
- Verteilernetzbetreiber
- Biogasanlagenbetreiber
- Anbieter für physikalische AE

### Über AGCS

- Eigentümer
- Organsitzungen
- Beteiligungen
- Geschäftsberichte

### Team

- Vorstand
- Mitarbeiter
- Jobs und Karriere

### Service

- Clearingkalender
- Statistik
- Zertifikatsanforderung
- Biomethanregister
- Energy Monitor

### Mit uns vernetzen

- Kontakt
- Schulungen
- CISMO

## Shareholders

GAS CONNECT AUSTRIA GmbH	23,13
Oesterreichische Kontrollbank Aktiengesellschaft	20,00
MS Dr. Markus Singer Beteiligungsgesellschaft mbH	20,00
„smart technologies“ Management-Beratungs- und Beteiligungsgesellschaft mbH	20,00
Energie AG Oberösterreich	5,63
WIENER NETZE GmbH	5,49
Energienetze Steiermark GmbH	2,81
LINZ STROM GAS Wärme GmbH	
für Energiedienstleistungen und Telekommunikation	1,00
Salzburg AG für Energie, Verkehr und Telekommunikation	0,69
KELAG-Kärntner Elektrizitäts-Aktiengesellschaft	0,45
Energie Burgenland AG	0,44
eww ag	0,17
Energie Graz GmbH & Co KG	0,16
Energie Klagenfurt GmbH	0,03

# Registration Process



# Registration Process

Balance Group Representative (BGR)



*Balance Group Representative (BGR)*

Only necessary for BGR without a valid contract with AGCS!

1. BGR **requests AT-Nr from AGCS, the balance operator (BO)** – BGR needs to send full company name and VAT number to AGCS
2. BGR **registers at AGGM platform** (AGGM = market area and distribution area manager, MADAM). Submitted details are automatically sent to AGCS and implemented in their databank.

Forecasted annual energy volume in MWh/**Allocation to non-end consumers:**

Sales estimate for securities \*

This field is required.

Forecasted annual energy volume in MWh/**Allocation to end consumers:**

Expected annual turnover in MWh daily balancing \*

This field is required.

Expected annual turnover in MWh hourly balancing \*

This field is required.

### 3. BGR **sends following documents to AGCS:**

- company register excerpt
- company registered office
- supplier registration / supplier allocation
- operating site notification
- indication of projected annual energy sales
- user registration for the AGCS online portal
- annual reports for the previous two fiscal years (PDF to [office@agcs.at](mailto:office@agcs.at))
- SEPA corporate direct debit mandate – the SEPA mandate is sent by AGCS to the BGR after their registration at AGGM
- collateral deposit

4. Simultaneously, BGR **receives the BGR-contract from MADAM, signs it** and sends it back

5. As soon as the BGR **deposits the collateral**, AGCS informs MADAM

6. **MADAM distributes signed BGR-contract** back to BGR and AGCS

7. **MADAM informs E-Control**, which issues a positive decision (not necessary for already existing BGRs)

In order to supply end consumers, the BGR has to register as a supplier.

# Registration Process

Consultation of T&C and Annexes

- Consultation deadline: 25 July 2022
- Approval approximately at the beginning September

**Registration is already possible – better register now!**

If BGR is not registered until 1<sup>st</sup> October 2022, it cannot participate in the market and has to redo the full registration process.

The screenshot shows the AGCS website interface. The main content area is titled "Konsultationsprozesse" and displays a table of consultation documents. The table has the following columns: "Konsultationsdokument", "Frist bis", "Status", "Anmerkungen", and "Ergebnis".

Konsultationsdokument	Frist bis	Status	Anmerkungen	Ergebnis
AB-BS	25.07.2022	Begutachtung		
Anhang AB-BS - Abrechnung und Rechnungslegung	25.07.2022	Begutachtung		
Anhang AB-BS - Ausgleichsenergiebewirtschaftung	25.07.2022	Begutachtung		
Anhang AB-BS - Bonitätsprüfung	25.07.2022	Begutachtung		
Anhang AB-BS - Risikomanagement	25.07.2022	Begutachtung		

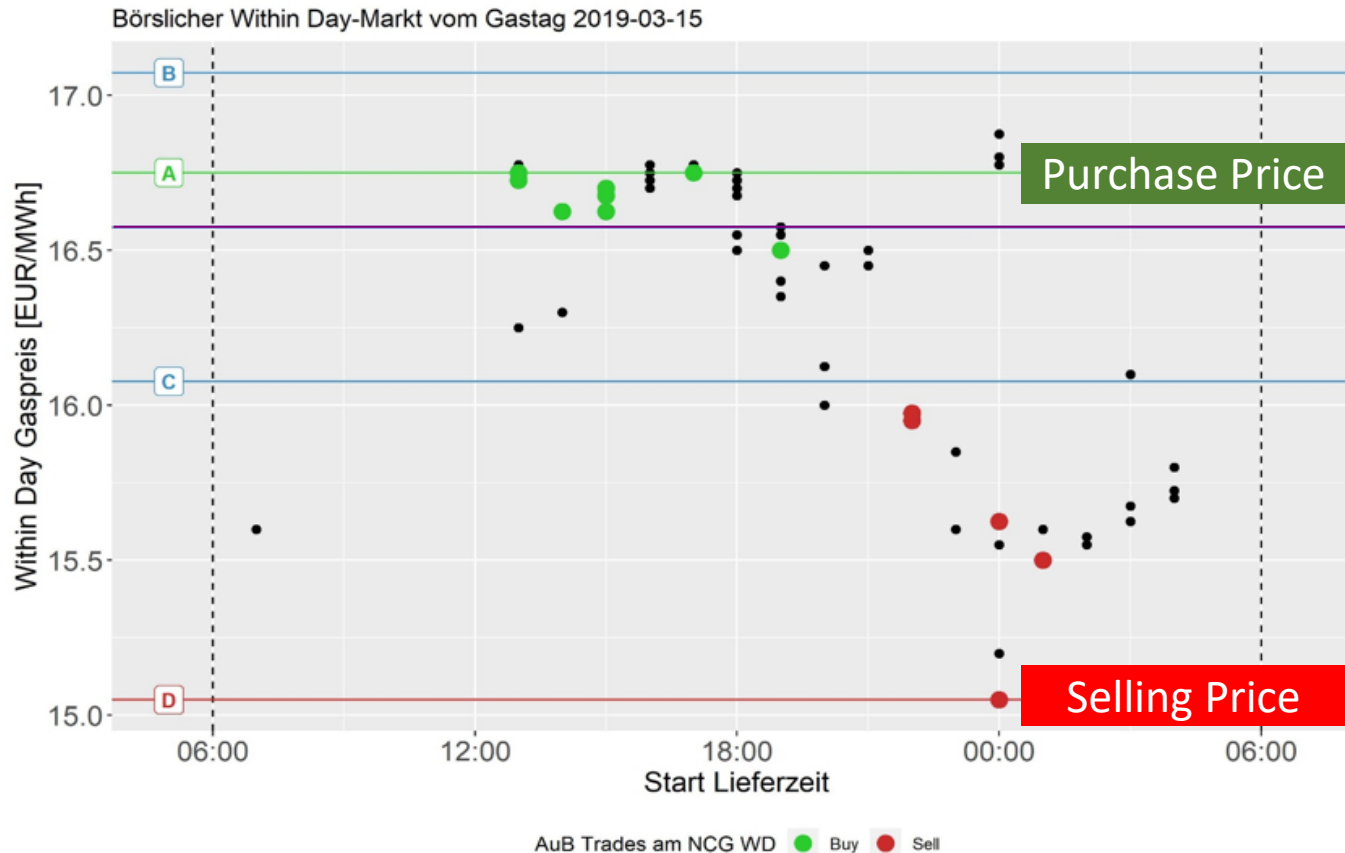
On the right side of the page, there are two promotional banners: "EnergyNews Magazine.at" and "Clearing Kalender".

# Imbalance Price Model



# Imbalance Price Model

Imbalance prices of an example day



B: exchange reference price, plus 3%

A: highest purchase price for imbalance energy on day D  
exchange reference price

C: exchange  
reference price,  
minus 3%

D: lowest selling price for imbalance energy on day D

Imbalance prices are known after the day.  
Structuring cost contributions are not known until clearing.  
A possibly occurring correction element / day (revenues from structuring are greater than costs of opposite calls) is only known within the scope of clearing.

Undersupply of  
Balance group

$$\text{Imbalancing price} = \max(A; B)$$

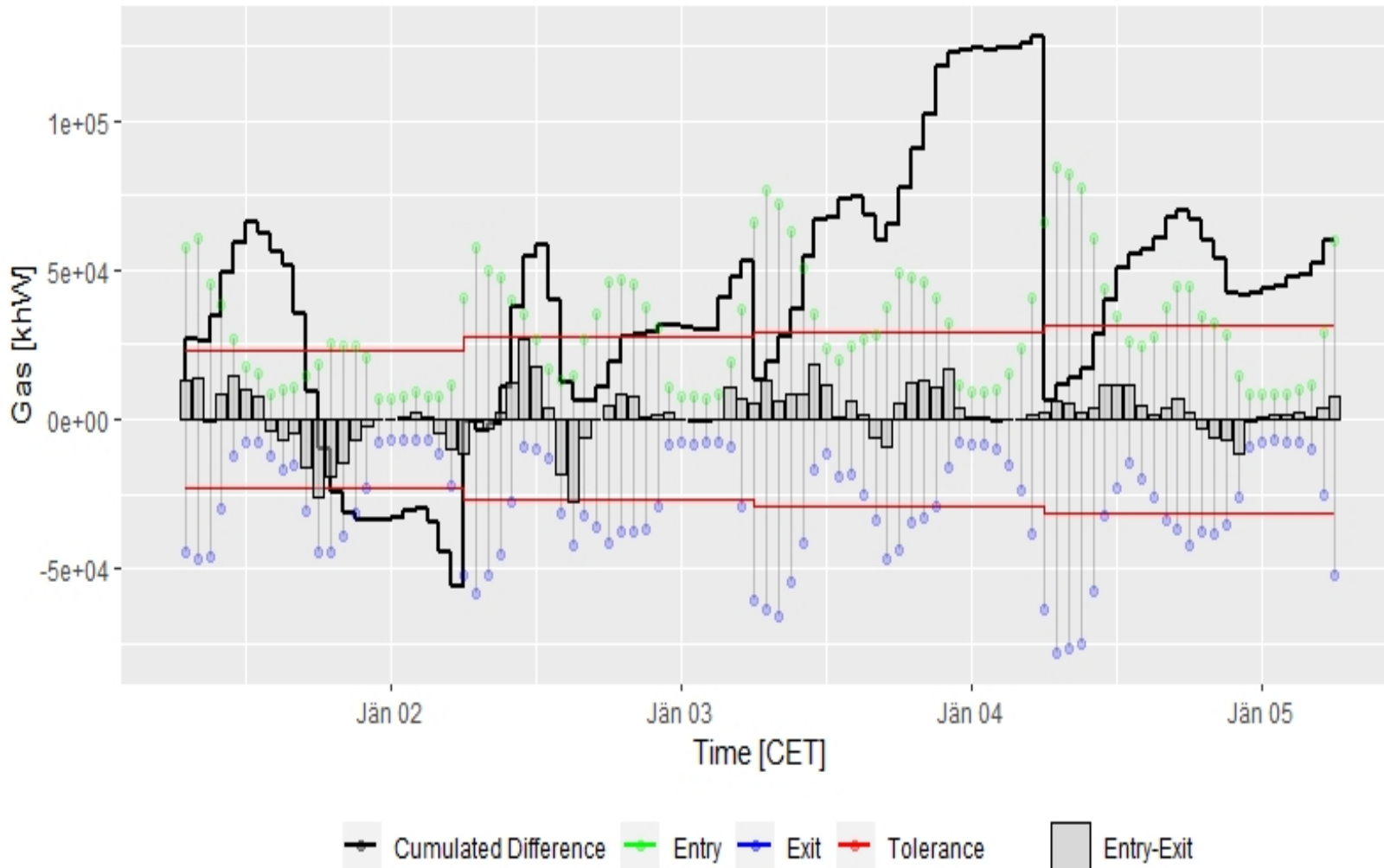
Oversupply of  
Balance group

$$\text{Imbalancing price} = \min(C, D)$$



# Imbalance Price Model

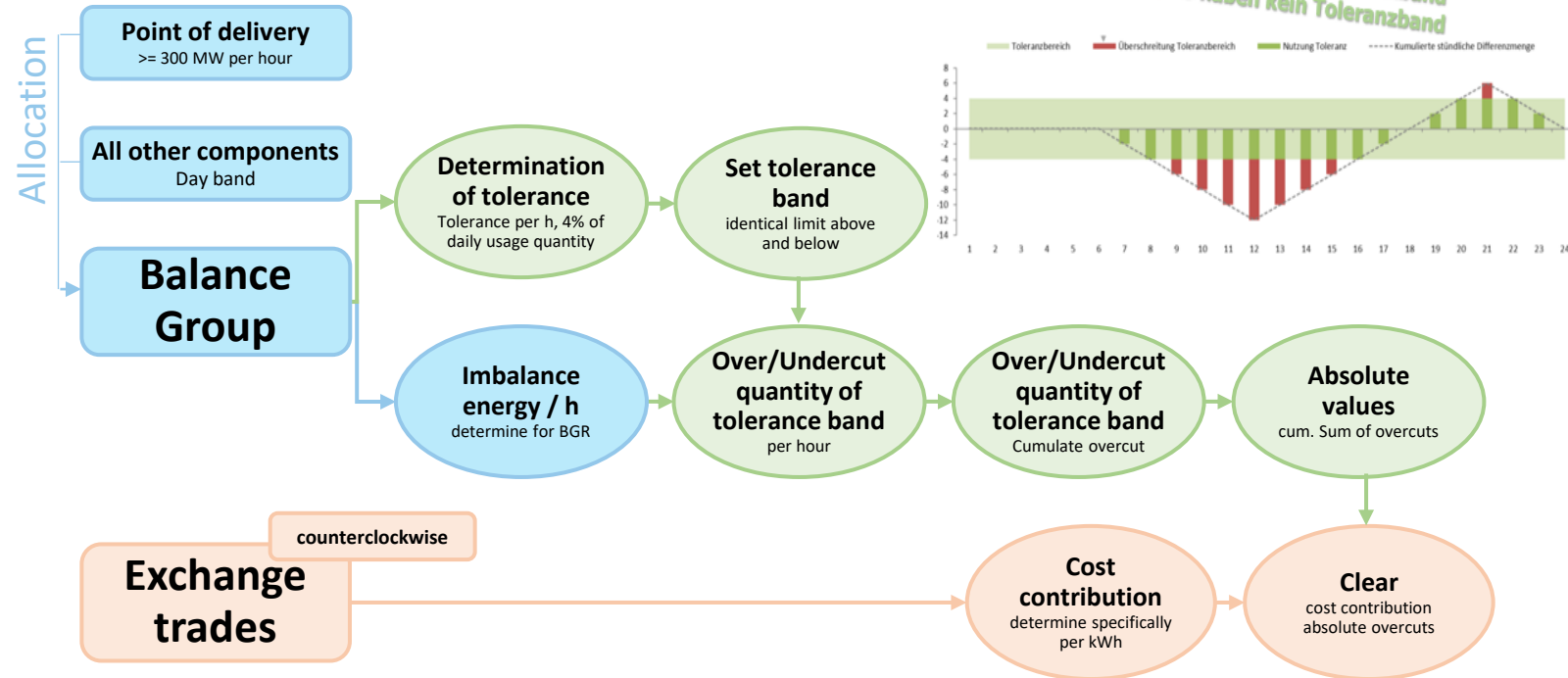
## Intraday Structure



- In addition to pure imbalance billing, a **cost contribution for intraday structuring is required**. It only has to be paid if there are opposite calls for physical balancing energy on the same gas day. In addition, the revenue from this contribution is **limited to the cost of the opposite call**.
- The **cumulative quantities exceeding the tolerance band are used as the basis for determining the cost** contribution for intraday structuring.
- For the determination of the quantities relevant for the calculation of the tolerance value, all exits to end consumers on a gas day are summed up. Subsequently, an hourly tolerance of 4% is granted on this quantity. The hourly differences of each balance group are cumulated. All values outside the tolerance band are cumulated again.

# Imbalance Price Model

## Intraday Structure



- Daily balancing for all balance groups
- For balance groups with metering values:
  - Metering point  $\geq 300$  MW per supplier/network are aggregated and transmitted to the BS as an hourly aggregate.
  - All other metering points are converted into a daily band by AGCS.
- The schedules are daily bands or end-of-day daily band fragments.
- There is a 4% tolerance on daily consumption quantities. This defines the tolerance limits.
- Deviations in the BG are tracked on a per-h basis and tolerance band overruns are determined.
- Tolerance overruns per h are accumulated. For these overruns, a specific cost contribution is calculated and charged per day.

# Clearing Process

For commercial and special balance groups



# Clearing Process

## Process of 1. and 2. Clearing

The first Clearing starts 3 working days (AT) after the clearing deadline

### 1. Clearing deadline (14 AT or 15 months of the following month)

- Deadline for network operators for data reporting
- Check by AGCS whether all data points (components) have been supplied

### 2. Plausibility check (16 AT or 15 months of the following month)

- Plausibility check of the balanced values
- Comparison of the results with historical values, special events in the month, etc.
- In case of uncertainty, contact with market player
- If necessary, correction of the reported data

### 3. Invoice dispatch (17 AT or 15 months of the following month)

- Preparation of clearing invoices (if necessary, differences between 1st and 2nd clearing)
- Verification of invoice amounts, in particular with regard to tax
- Transmission of clearing results to OeKB
- Dispatch of invoices by OeKB
- Determination of updated collateral requirement
- If necessary, sending of additional collateral request

Market participants dispose their bank accounts

### 4. Bank collection (20 AT or 15 months of the following month)

- Collection of clearing invoices via SEPA mandate

#### CLEARINGKALENDER 2020 AGCS

##### Termine für das 1. Clearing

	Clearingschluss *)	Plausibilitätsprüfung	Rechnungsversand	Bankeinzug
Januar 2020	12.02.2020	14.02.2020	17.02.2020	20.02.2020
Februar 2020	11.03.2020	13.03.2020	16.03.2020	19.03.2020
März 2020	10.04.2020	15.04.2020	16.04.2020	21.04.2020
April 2020	13.05.2020	15.05.2020	18.05.2020	22.05.2020
Mai 2020	12.06.2020	16.06.2020	17.06.2020	22.06.2020
Juni 2020	10.07.2020	14.07.2020	15.07.2020	20.07.2020
Juli 2020	12.08.2020	14.08.2020	17.08.2020	20.08.2020
August 2020	10.09.2020	14.09.2020	15.09.2020	18.09.2020
September 2020	12.10.2020	14.10.2020	15.10.2020	20.10.2020
Oktober 2020	11.11.2020	13.11.2020	16.11.2020	19.11.2020
November 2020	11.12.2020	15.12.2020	16.12.2020	21.12.2020
Dezember 2020	14.01.2021	18.01.2021	19.01.2021	22.01.2021

Clearingschluss = 8. Arbeitstag des Folgemonats (5 AT Datenzulieferung + 2 AT Nachfrist)

Plausibilitätsprüfung = Clearingschluss + 2 Arbeitstage

Rechnungsversand = Plausibilitätsprüfung + 1 Arbeitstag

Bankeinzug = Rechnungsversand + 3 Arbeitstage

Bankfeiertage: 24.12. und Karfreitag und alle Feiertage (in Bezug auf das ValutaDatum der Rechnungen)

##### Termine für das 2. Clearing

	Clearingschluss 2. Clearing	Qualitätsprüfung bis	Rechnungsversand	Bankeinzug
Oktober 2018	31.12.2019	20.01.2020	22.01.2020	27.01.2020
November 2018	31.01.2020	18.02.2020	20.02.2020	25.02.2020
Dezember 2018	28.02.2020	17.03.2020	19.03.2020	24.03.2020
Januar 2019	31.03.2020	17.04.2020	21.04.2020	24.04.2020
Februar 2019	30.04.2020	19.05.2020	25.05.2020	28.05.2020
März 2019	29.05.2020	18.06.2020	22.06.2020	25.06.2020
April 2019	30.06.2020	16.07.2020	20.07.2020	23.07.2020
Mai 2019	31.07.2020	18.08.2020	20.08.2020	25.08.2020
Juni 2019	31.08.2020	16.09.2020	21.09.2020	24.09.2020
Juli 2019	30.09.2020	16.10.2020	23.10.2020	29.10.2020
August 2019	30.10.2020	17.11.2020	19.11.2020	24.11.2020
September 2019	30.11.2020	17.12.2020	21.12.2020	28.12.2020

Clearingschluss 2. Clearing = letzter Arbeitstag des 14. Folgemonats

Qualitätsprüfung = Plausibilitätsprüfung 1. Clearing des 14. Folgemonats + 2 Arbeitstage

Rechnungsversand = Qualitätsprüfung + 2 Arbeitstage (wenn dies ein Freitag ist, fällt der RV auf den nächsten Werktag)

Bankeinzug = Rechnungsversand + 3 Arbeitstage

Bankfeiertage: 24.12. und Karfreitag und alle Feiertage (in Bezug auf das ValutaDatum der Rechnungen)

Clearing process is unchanged  
Deadlines changed due to additional GCV calculations

**According to §24 GMMO-VO 2020 there are four elements for billing:**

- (1) Imbalance Energy (§24 (2) 1. bzw. §26 (4) GMMO-VO 2020)**
- (2) Cost Contribution to Within Day Obligations (§24 (2) 2. GMMO-VO 2020)**
- (3) Neutrality Charge (§24 (2) 3. GMMO-VO 2020)**
- (4) Clearing Fee (§24 (2) 4. GMMO-VO 2020)**

# Neutrality Systematic

## Levy Account

Erlöse	Gesamt	Jan 22	Nov 20 EA	Feb 22
<b>Erlöse aus physikalischer Ausgleichsenergie [EUR]</b>				
Verkauf an Gasbörse (CEGH) [EUR]	1.273.824	1.028.394	0	245.430
Verkauf an Anbieter phys. AE (Merit Order) [EUR]	0	0	0	0
<b>Summe [EUR]</b>	<b>1.273.824</b>	<b>1.028.394</b>	<b>0</b>	<b>245.430</b>
<b>Erlöse aus Ausgleichsenergie [EUR]</b>				
Tagesbilanzierende BG [EUR]	18.688.729	8.353.859	29.217	10.305.652
Stundenbilanzierende BG [EUR]	22.790.249	12.711.218	0	10.079.031
CEGHIX Netzbetreiber/BioGas [EUR]	25.392.847	12.995.025	33.177	12.364.646
<b>Summe [EUR]</b>	<b>66.871.825</b>	<b>34.060.102</b>	<b>62.394</b>	<b>32.749.329</b>
<b>Erlöse gemäß GMMO-VO 2012 §32 (6) [EUR]</b>				
Umlage [cent/kWh]	-	0,00	0,00	0,00
Verbrauch Tagesbilanzierer [MWh]	67	0	67	0
<b>Summe [EUR]</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Zinserträge [EUR]</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Summe Erlöse [EUR]</b>	<b>68.145.649</b>	<b>35.088.496</b>	<b>62.394</b>	<b>32.994.759</b>

Aufwendungen	Gesamt	Jan 22	Nov 20 EA	Feb 22
<b>Aufwendungen aus phys. Ausgleichsenergie [EUR]</b>				
Einkauf von Gasbörse (CEGH) [EUR]	11.756.494	3.036.147	0	8.720.346
Einkauf von Anbietern phys. AE (Merit Order) [EUR]	0	0	0	0
Aufwand Market Maker [EUR]	-	-	-	-
<b>Summe</b>	<b>11.756.494</b>	<b>3.036.147</b>	<b>0</b>	<b>8.720.346</b>
<b>Aufwendungen aus Ausgleichsenergie [EUR]</b>				
Tagesbilanzierende BG [EUR]	9.533.026	6.768.377	21.690	2.742.960
Stundenbilanzierende BG [EUR]	9.019.952	4.419.696	0	4.600.256
CEGHIX Netzbetreiber/BioGas [EUR]	29.305.341	15.474.961	35.312	13.795.067
<b>Summe [EUR]</b>	<b>47.858.319</b>	<b>26.663.034</b>	<b>57.002</b>	<b>21.138.283</b>
<b>Aufwendungen gemäß GMMO-VO 2012 §32 (6) [EUR]</b>				
Umlage [cent/kWh]	-	0,02	0,00	0,02
Verbrauch Tagesbilanzierer [MWh]	10.099.088	5.634.879	0	4.464.209
<b>Summe [EUR]</b>	<b>2.019.818</b>	<b>1.126.976</b>	<b>0</b>	<b>892.842</b>
<b>Zinsaufwendungen/Bankspesen [EUR]</b>	<b>20.542</b>	<b>12.741</b>	<b>0</b>	<b>7.801</b>
<b>Summe Kosten [EUR]</b>	<b>61.655.172</b>	<b>30.838.898</b>	<b>57.002</b>	<b>30.759.272</b>

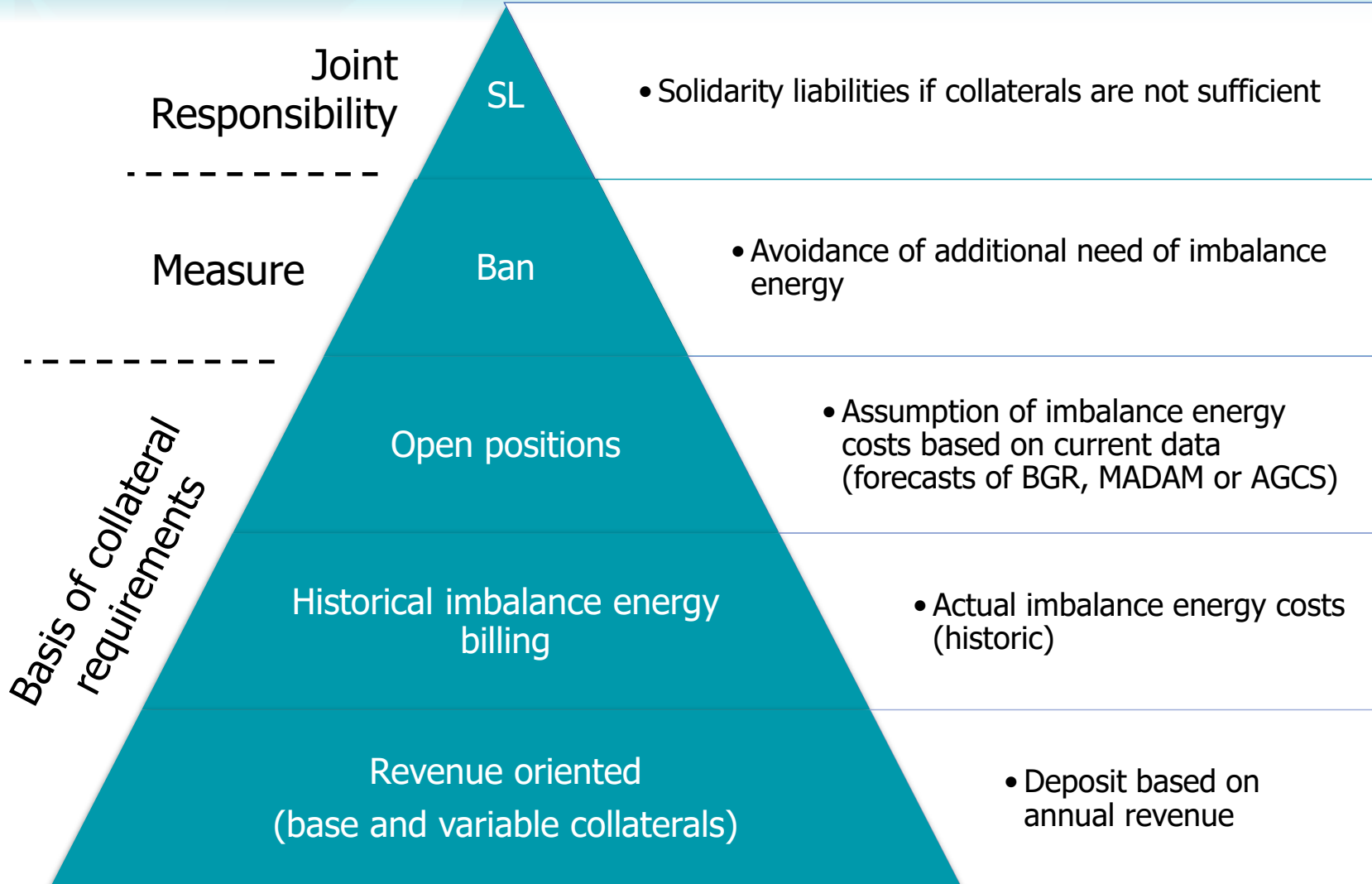
Kontostand GWG 2011 §87 (5) [Datum Abrechnung]	Stand zum	15.02.2022	21.02.2022	15.03.2022
Über-/Unterdeckung [EUR]	31.12.2021	15.02.2022	21.02.2022	15.03.2022
Stand Über-/Unterdeckung [EUR]	7.624.454	11.874.052	11.879.444	14.114.931
gemäß GWG 2011 §87 (5)				

- The balance of the levy account is calculated as the difference between expenses and revenues from clearing settlement and the costs/revenues incurred during the month from the settlement of physical balancing energy. Furthermore, special costs and revenues from financial settlement are recorded.
- In the new model, the levy account will also include the structuring fee on the revenue side.
- This account is precisely segregated from the operating accounts.
- Levy determination continues to take place in 3-month cycles.
- The AGCS pay-as-you-go account will be continued

# Risk Management

Central Counterparty Risk





### Collaterals

1. pledged cash deposit accounts
2. pledged security accounts
3. bank guarantee
4. short-term cash deposits and, in the future, additionally
5. Storage gas



The collateral requirements of a balance group representative are composed of:

1. Minimum collateral of 100,000 EUR
2. Revenue of the balance group – with allowance due to credit rating
  - 50% base collateral, 50% variable collateral
  - Value of consumption quantity for 5 days – with high allowance only half
  - Rated with values from the previous month
3. Historical imbalance energy billing in the balance group
4. A daily „Open Position Invoice“ (OP)
  - OP can be determined precisely.
  - OP is determined for grid operator balance groups either by forecasts of BGR, MADAM or statistically by AGCS.

Additionally: If collaterals of market parties are not sufficient to fulfill payment liabilities, then the difference is either:

- raised by solidarity liability (aliquot to the extend of base collaterals) or
- charged over 12 months after the notice of termination of the BGR-contract via the imbalance energy billing system.

*Current option:*

$$SB_{\text{ohne Einkürzung}} = \left( \frac{\sum_{T \in CP} \text{AusspMess}_T}{|CP|} \cdot 5 + \frac{\sum_{T \in CP} \text{AusspNom}_T}{|CP|} \cdot 0,5 \right) \cdot \frac{\sum_{T \in CP} \text{Börsepreis}_T}{|CP|}$$

*Legend: CP – clearing period; |CP| - Number of days in clearing period; T ∈ CP – Day in the clearing period (example: ...)*

*Possible further option:*

Self obligation of shippers to have balanced nominations

Shippers who voluntarily oblige themselves to have balanced nominations have to deposit only a **reduced revenue-based collateral (from 0,5 days down to 0,1 days)**

$$SB_{\text{mit Einkürzung}} = \left( \frac{\sum_{T \in CP} \text{AusspNom}_T}{|CP|} \cdot 0,1 \right) \cdot \frac{\sum_{T \in CP} \text{Börsepreis}_T}{|CP|}$$

In case, nominations of self-obliged shippers are imbalanced, the MADAM cuts EXIT allocations in order to secure a balanced day.



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