Gas Balancing Dashboard

Instructions for accessing and using the dashboard with selected indicators taken from the ACER Gas Balancing Analytical Framework

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Gas Market and Energy Retail Team

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Balancing Analytical Framework

Selected indicators included in the dashboard
The data in the ACER gas Balancing dashboard have been provided by ENTSOG, which has collected them from the respective gas TSOs.

The data has been checked and validated by ENTSOG before being shared with ACER.

ENTSOG and TSOs have had the chance to see the dashboard before its publication, for information and check of any factual mistake.

Any unlikely but possible residual data errors or inconsistencies is unintended: please signal it to ACER and we will liaise with ENTSOG and TSOs to solve it.
Balancing Framework 1/3: TSO actions

- **TSO ACTIONS – comparison of balancing zones**
  1. Total balancing action quantities as a share of market volume
  2. Split between buy & sell balancing volumes
  3. Average buy-sell price spread of TSO balancing gas
  4. Number of days when balancing action took place

- **TSO ACTIONS – individual balancing zone details**
  1. Volume of TSO balancing transactions
  2. TSO transaction volume as a share of physical throughput
  3. Average price of TSO balancing transaction
  4. Number of days with TSO balancing transactions
1. Total balancing action quantities as a share of market volume (%):

✓ Total quantity of gas purchased or sold via TSO balancing actions disaggregated for all merit order transactions, computed as a share of the market volume.

2. Split between buy & sell balancing volumes (%):

✓ Given the TSOs total balancing actions volumes, the indicator splits the buys and sells volumes as a complementary shares of the total.

3. Average buy-sell price spread of TSO balancing gas (EUR/MWh):

✓ The indicator computes the difference between the average buy and average sell prices of TSO balancing actions.

4. Number of days when balancing action took place (days):

✓ The indicator presents the total number of days in which TSOs balancing actions take place during a gas year.
<table>
<thead>
<tr>
<th>1. Volume of TSO balancing transactions (MWh):</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Summarized and detailed view of the volumes of TSO balancing action, divided between buy and sell.</td>
</tr>
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<table>
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<tr>
<th>2. TSO transaction volume as a share of physical throughput (MWh):</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ The indicator provides the split between buy and sell transaction volumes as a share of physical throughput.</td>
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<table>
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<tr>
<th>3. Average price of TSO balancing transaction (EUR/MWh):</th>
</tr>
</thead>
<tbody>
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<td>✓ Summarized and detailed view of the prices of TSO balancing action, divided between buy and sell.</td>
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<th>4. Number of days with TSO balancing transactions (days):</th>
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<tbody>
<tr>
<td>✓ The indicator presents the total number of days in which TSOs balancing actions take place during a gas year. Disaggregation between only buy, only sell, and both buy &amp; sell.</td>
</tr>
</tbody>
</table>
Balancing Framework 2/3 and 3/3: imbalance and neutrality

- **IMBALANCE**
  1. Total imbalance quantities as a share of market volume
  2. Network users’ imbalance quantities
  3. Average imbalance cash-out prices
  4. Network users buy quantities as share of total imbalance cash out quantities

- **NEUTRALITY**
  1. Net adjusted neutrality per unit of market volume
  2. Cumulative neutrality financial position
  3. Cash Flow-Quantities
  4. Neutrality
    - Financial credits to neutrality
    - Financial debits to neutrality
    - Net
1. **Total imbalance quantities as a share of market volume (%):**

   ✓ The indicator presents the sum of total quantities of network users’ imbalance long and short positions as a share of market volume.

2. **Network users’ imbalance quantities (MWh):**

   ✓ The indicator provides the disaggregated values of the volumes of network users’ imbalance quantities, split between buy and sell.

3. **Average imbalance cash out prices (EUR/MWh):**

   ✓ The indicator describes the average Network Users’ imbalance cash out Short and Long positions prices, computing the spread between the Short-Long cash out average prices.

4. **Network users’ buy quantities as share of total imbalance cash out quantities (%):**

   ✓ Given the network users’ total imbalance cash out quantities, the indicator describes the buys volumes as a share of the total.
1. **Net adjusted neutrality per unit of market volume (EUR/MWh)**

   ✓ It indicates how much overall the balancing activity impacts on system costs.

2. **Cumulative neutrality financial position (thousand Euro)**

   ✓ It indicates the daily cumulative neutrality position over the analysis period generated by the TSO and the network users’ balancing activity.

3. **Financial credits to neutrality**

   ✓ Describes the TSO/system sells and network users’ imbalance short positions, cash flows and quantities, computing the sub-totals.

4. **Financial debits to neutrality**

   ✓ Describes the TSO/system buys and network users’ imbalance long positions, cash flows and quantities, computing the sub-totals.

5. **Net**

   ✓ Represents the net sum of cash flows and quantities given by financial credits to neutrality and financial debits to neutrality.
Inside the dashboard
How to access the dashboard

- AEGIS webpage: https://aegis.acer.europa.eu/cas/login
- Direct hyperlink: https://app.powerbi.com/view?r=eyJrIjoiYWY1MjhmODYtN2MxMi00M2Q5LTEwMWYtZjk2Yjc5MGY1NWNjIiwidCI6ImU2MjZkOTBjLTcwYWUtNGRmYy05NmJhLTAyZjE4Y2MwMDAwZSIsImMiOjl9
Imbalance

Navigate to different sections of the dashboard

Select gas year

Change balancing zone

Adjust time range and unit of measure range

Information on the indicator used in the graph

Scroll to different countries

Scroll to different countries

Information on the indicator used in the graph
Neutrality

Navigate to different sections of the dashboard.

Select gas year.

Change balancing zone.

Click to have information on the indicator used in the graph.

Click to change indicators order.

Financial credits to neutrality
- TSO System Sells: 2,554.15, 337,017.75
- Shipper Imbalance short: 747.31, 78,153.62
- Sub-total: 3,301.46, 415,161.37

Financial debits to neutrality
- TSO System Buys: 221.69, 23,891.00
- Shipper Imbalance longs: 2,586.91, 372,136.11
- Sub-total: 3,208.60, 396,027.11

Net:
- Cash flows: 92.87, 19,942.26