User Manual:
Gas balancing monitoring dashboard

Automated calculation and visualisation of selected indicators of the ACER gas balancing analytical framework

ACER team – Gas Market and Energy Retail
Balancing Analytical Framework

Selected indicators included in the dashboard*

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 prices of TSO balancing actions
  4. Number of days when balancing actions took place

- **TSO ACTIONS – individual balancing zone details**
  1. Volume of TSO balancing transaction
  2. TSO transaction volume as a share of market volumes
  3. Average price of TSO balancing transaction
  4. Number of days with TSO balancing transaction
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 prices of TSO balancing actions (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.
1. **Volume of TSO balancing transactions (MWh):**
   ✓ Summarized and detailed view of the volumes of TSO balancing action, divided between buy and sell.

2. **TSO transaction volumes as a share of market volumes (MWh):**
   ✓ The indicator provides the split between buy and sell transaction volumes as a share of market volumes.

3. **Average price of TSO balancing transaction (EUR/MWh):**
   ✓ Summarized and detailed view of the prices of TSO balancing action, divided between buy and sell.

4. **Number of days with TSO balancing transactions (days):**
   ✓ 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 & sell.
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’ short and long quantities as a share of total imbalance

**NEUTRALITY**
1. Net adjusted neutrality per unit of market volume
2. Cumulative neutrality financial position
3. Cash Flow-Quantities to Neutrality
   - Financial credits to neutrality
   - Financial debits to neutrality
   - Net Financial position
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):

✓ Summarized and detailed view of the volumes of network users’ imbalance quantities, divided between long and short positions.

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 difference between the short-long cash out average prices.

4. Network users’ short and long quantities as a share of total imbalance (%):

✓ Given the network users’ total imbalance cash out quantities, the indicator describes the buys volumes as a share of the total.
<table>
<thead>
<tr>
<th></th>
<th>Net adjusted neutrality per unit of market volume (EUR/MWh)</th>
<th>Cumulative neutrality financial position (thousand Euro)</th>
<th>Financial credits to neutrality</th>
<th>Financial debits to neutrality</th>
<th>Net Financial position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>✓ It indicates how much overall the balancing activity impacts on gas prices.</td>
<td>✓ It indicates the daily cumulative neutrality position over the analysis period generated by the TSO and the network users’ balancing activity.</td>
<td>✓ Describes the TSO/system sells and network users’ imbalance short positions, cash flows and quantities, computing the sub-totals.</td>
<td>✓ Describes the TSO/system buys and network users’ imbalance long positions, cash flows and quantities, computing the sub-totals.</td>
<td>✓ Represents the net sum of cash flows and quantities given by financial credits to neutrality and financial debits to neutrality.</td>
</tr>
</tbody>
</table>
Inside the dashboard
How to access the dashboard

  or
- AEGIS webpage: https://aegis.acer.europa.eu/cas/login
TSO ACTIONS – individual balancing zone details

- Change balancing zone
- Change data granularity
- Adjust time range and unit of measure range
- Balancing zone description
- Information on the indicator used in the graph
- Navigate to different sections of the dashboard
- Legend

ACER gas balancing indicators

TSO ACTIONS - comparison of balancing zones
TSO ACTIONS - individual balancing zone details
IMBALANCE
NEUTRALITY

Select balancing zone:
Polish H-gas Balancing Zone
Balancing zone information (PL-H):
Phased out of interim measures in April 2019.

Navigate to different sections of the dashboard

TSO transaction volumes as share of market volumes (PL-H)

Number of days with TSO balancing transaction (PL-H)

Legend: Only buy, Only sell, Buy/Sell
Neutrality

Navigate to different sections of the dashboard

Select gas year

Change balancing zone

Balancing zone description

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

The contents of this document do not necessarily reflect the position or opinion of the Agency.