



**Transelectrica®**  
Societate Administrată în Sistem Dualist

# **MARKET MONITORING REPORT**

## **Ancillary Services**

### **October 2023**

ANRE - Romanian Energy Regulatory Authority  
HHI - Herfindahl-Hirschman Index  
BRP - Balance Responsible Party  
BM - Balancing Market  
DAM - Day Ahead Market  
TSO - Transmission System Operator  
DU – Dispatchable Unit  
PN – Physical Notification  
NDC - National Dispatching Center  
C1 – The market share of the largest market participant  
C3 – Total market share of top 3 market participants  
NPS – Minimum number of residual generators  
TTC – Total Transfer Capacity  
NTC – Net Transfer Capacity  
ATC – Available Transfer Capacity  
CMBC – Centralised Market for Electricity Bilateral Contracts  
IDM – Intraday Market

According to the Commercial Code, Transelectrica, the Romanian Transmission System Operator, operates and monitors the activity of 3 types of markets: Balancing Market, Ancillary Services Market and Market for Allocation of Cross-Border Capacities.

Using the records from the markets data bases, Transelectrica prepares daily, weekly and monthly monitoring reports. A part of the data included in these reports (those data which are not confidential) are published on the website [www.transelectrica.ro](http://www.transelectrica.ro) (section Transparency).

## General Remarks

- The contracts signed between the Ancillary System Services Suppliers and Transelectrica covered 95,73% from TSO's necessary volume.
- The report contains requested quantities by Transelectrica (through NDC), contracted quantities based on bid amounts and realized quantities.
- 10 participants have supplied Ancillary Services: CE Oltenia S.A., Hidroelectrica S.A., Bepco S.R.L., Electro Energy Sud, Electrogrup S.A., Nova Gas&Power S.A., Electrocentrale Craiova S.A., AOT Energy, Megalodon S.R.L. and OMV Petrom S.A.
- Transmission network losses have been contracted through OPCOM S.A.\*, total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

\*) The acquisitions were made based on Government Emergency Ordinance nr. 153 of November 11, 2022 for amending and supplementing Government Emergency Ordinance no. 27/2022 on the measures applicable to final customers in the electricity and natural gas market between 1 April 2022 and 31 March 2023, as well as for amending and supplementing certain normative acts in the field of energy and amending Government Emergency Ordinance no. 119/2022 amending and supplementing Government Emergency Ordinance no. 27/2022 on measures applicable to final customers in the electricity and natural gas market between 1 April 2022 and 31 March 2023, as well as for amending and supplementing certain normative acts in the field of energy.

## Statistic Data

| Average Prices [lei/hMW] and Costs [lei]         |                                   |                                 |                                                     |                                      | Quantities [hMW/h] |                |                |              |                             |          |                | Participants |      |
|--------------------------------------------------|-----------------------------------|---------------------------------|-----------------------------------------------------|--------------------------------------|--------------------|----------------|----------------|--------------|-----------------------------|----------|----------------|--------------|------|
| Reserves                                         | Average weighted prices [lei/hMW] | Contracted services costs [lei] | Penalties for unfulfilled contracted services [lei] | Total costs Ancillary Services [lei] | Reserves           |                |                |              | Available regulation energy |          |                | Number       | HHI  |
|                                                  |                                   |                                 |                                                     |                                      | Requested          | Contracted     | Realized       | Not realized | average                     | min      | max            |              |      |
| Secondary regulation on / off consumption peak * | 86.52                             | 28,504,758.00                   | 73,680.00                                           | 28,431,078.00                        | *500,00/500,00     | *432,27/448,96 | *431,56/447,88 | *0,71/1,08   | *455.83/489.51              | *390/390 | *690.72/687.52 | 4            | 5587 |
| Fast Tertiary Regulation Upward                  | 39.60                             | 14,866,900.00                   | 20,917.00                                           | 14,845,983.00                        | 504.70             | 504.70         | 503.28         | 1.42         |                             |          |                | 8            | 4873 |
| Fast Tertiary Regulation Downward                | 18.59                             | 4,847,500.00                    | 21,044.00                                           | 4,826,456.00                         | 350.47             | 350.47         | 348.98         | 1.49         |                             |          |                | 6            | 5507 |
| Slow Tertiary Regulation Upward                  | 0.00                              | 0.00                            | 0.00                                                | 0.00                                 | 0.00               | 0.00           | 0.00           | 0.00         |                             |          |                | 0            | 0    |
| Network losses (OPCOM**)                         | 450.00                            | 26,546,771.25                   | 0.00                                                | 26,546,771.25                        | 79                 | 79             | 79             | 0.00         |                             |          |                | **)          | **)  |
| Network losses (total)                           | 457.89                            | 33,414,776.37                   | 0.00                                                | 33,414,776.37                        | 0                  | 0              | 0              | 0.00         |                             |          |                |              |      |

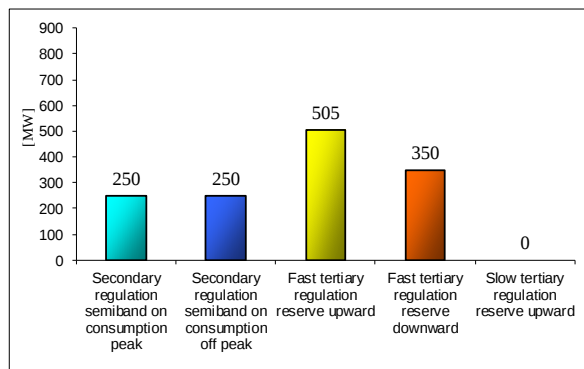
\* Secondary regulation band on /off peak

### Note:

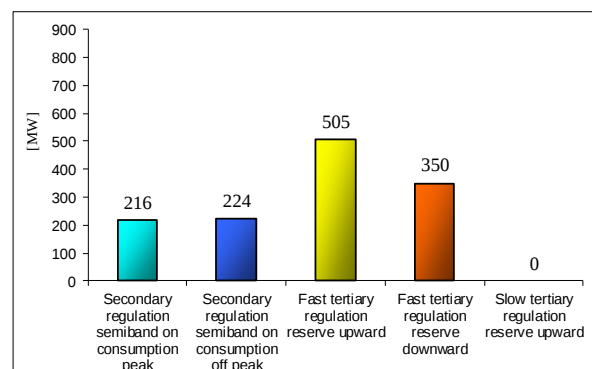
The average prices were calculated by deviding the total Ancillary Services to realized quantities

\*\*)) The acquisitions were made based on Government Emergency Ordinance 153/2022.

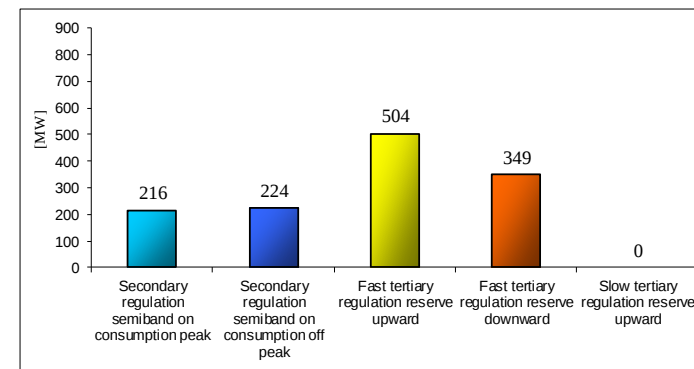
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



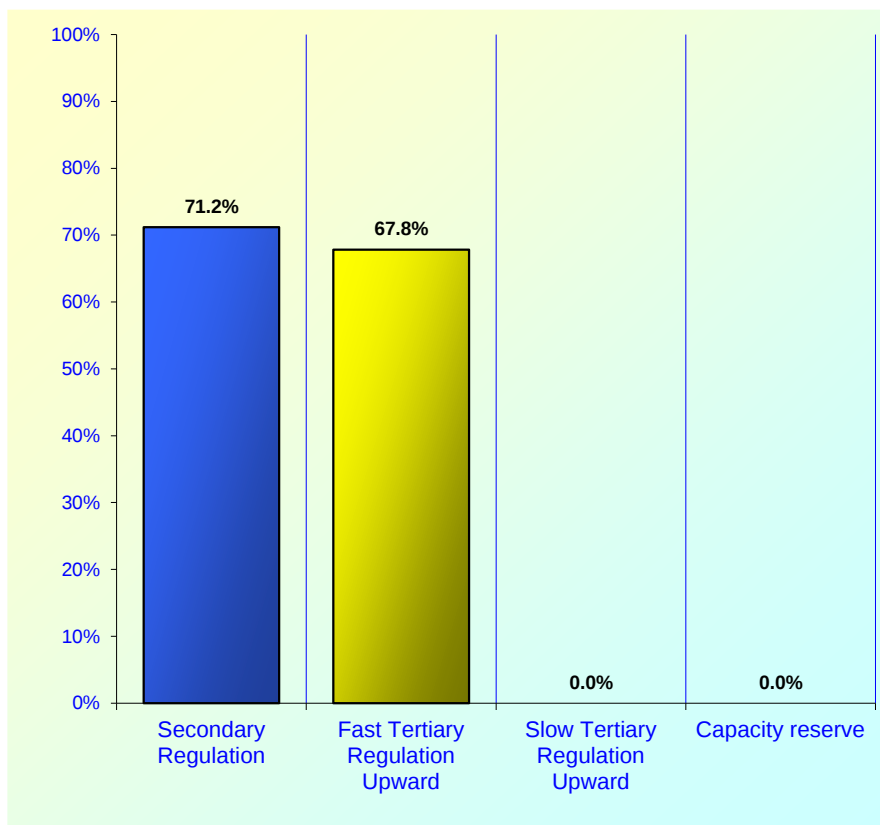
Average realized quantities [hMW/h]



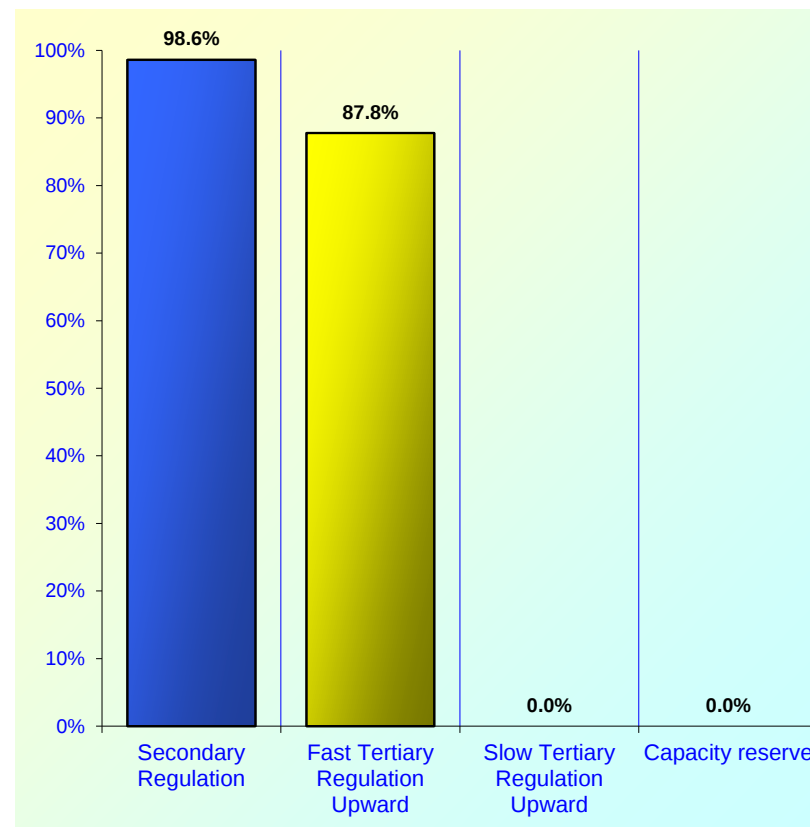
In October 2023, Ancillary Services contracts were concluded as a result of daily tenders organized by C.N.T.E.E. Transelectrica S.A. Neccessary quantities to be purchased for Secondary Band Reserve, upward and downward Fast Tertiary Reserve remained at the level of the previous month. In the case of Slow Tertiary Reserve, no tenders were held.

## Market share of the most significant Ancillary Services Market Participants

**C1 (%) on type of regulation**

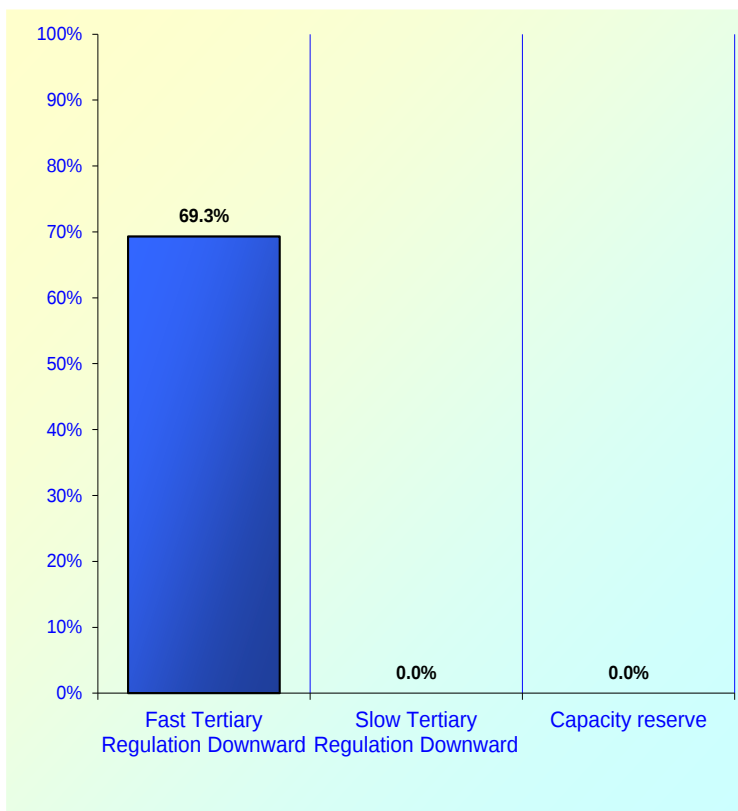


**C3 (%) on type of regulation**

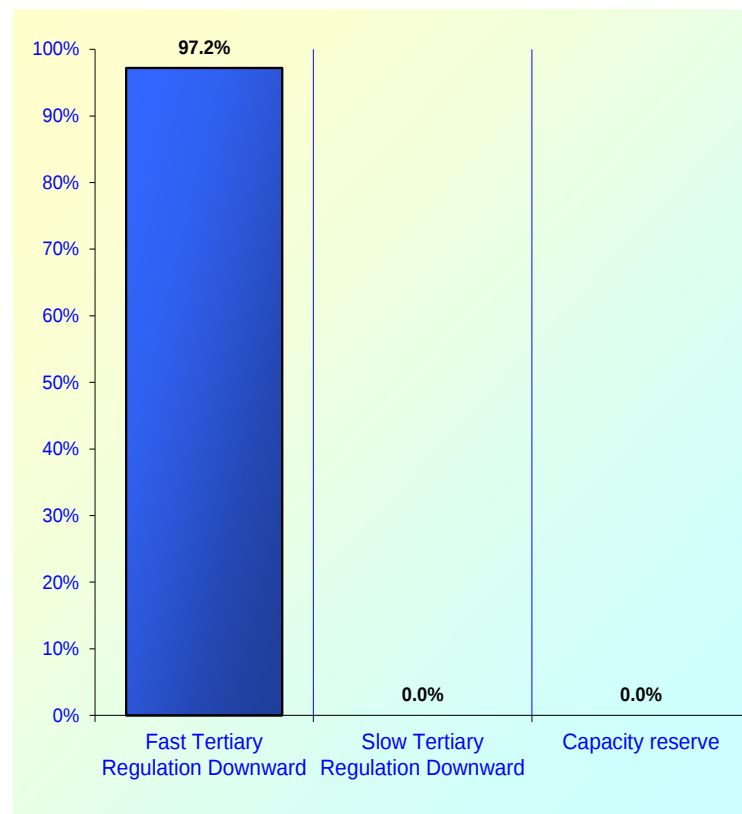


## Market share of the most significant Ancillary Services Market Participants

**C1 (%) on type of regulation**



**C3 (%) on type of regulation**





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# Ancillary Services

## Auction Price [lei/MWh] – Secondary Regulation

| Secondary<br>Regulation<br>Reserve | October 2023 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |       |
|------------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
|                                    | Day          | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25 | Max   |
| 1                                  | 85.00        | 85.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 |    | 85.00 |
| 2                                  | 85.00        | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 80.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 |    | 85.00 |
| 3                                  | 85.00        | 85.00 | 85.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 85.00 | 85.00 | 85.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 80.00 |    | 85.00 |
| 4                                  | 84.50        | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 | 84.50 |    | 84.50 |
| 5                                  | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 6                                  | 90.00        | 90.00 | 90.00 | 90.00 | 80.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 |    | 90.00 |
| 7                                  | 90.00        | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 |    | 90.00 |
| 8                                  | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 9                                  | 90.00        | 90.00 | 90.00 | 80.00 | 90.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 10                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 11                                 | 90.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 |    | 90.00 |
| 12                                 | 90.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 13                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 14                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 15                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 16                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 17                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 18                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 19                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 20                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 21                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 22                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 23                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 24                                 | 80.00        | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |    | 80.00 |
| 25                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 26                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 27                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 28                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 29                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 30                                 | 90.00        | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |
| 31                                 | 90.00        | 90.00 | 90.00 | 80.00 | 90.00 | 80.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |    | 90.00 |

Clearing Prices for auctions organized in October 2023 for Secondary Band Reserve were between 80 lei/hMW and 90 lei/hMW, in most time intervals (61.88%), the Clearing Price was 90 lei/hMW.



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# Ancillary Services

## Auction Price [lei/MWh] – Upward Fast Tertiary Regulation

| Fast<br>Tertiary<br>Reserve -<br>Upward | October 2023 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                         | Day          | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | Max   |       |
| 1                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 2                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 3                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 50.00 |       |
| 4                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 5                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 50.00 |       |
| 6                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 7                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 8                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 9                                       |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 10                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 11                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 12                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 13                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 14                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 15                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 16                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 17                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 18                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 19                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 20                                      |              | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 21                                      |              | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 29.00 |       | 40.00 |       |
| 22                                      |              | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 23                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 24                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 25                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 35.00 |       | 50.00 |       |
| 26                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 27                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |
| 28                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 29                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |
| 30                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 50.00 | 50.00 | 50.00 | 40.00 | 35.00 |       | 50.00 |       |
| 31                                      |              | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 35.00 |       | 40.00 |       |

Clearing Prices for auctions organized in October 2023 for upward Fast Tertiary Reserve were between 29 lei/hMW and 50 lei/hMW, in most time intervals (62.82%), the Clearing Price was 40 lei/hMW. The maximum price of 50 lei/hMW was registered in 56 time intervals (7.53%).



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# Ancillary Services

## Auction Price [lei/MWh] – Downward Fast Tertiary Regulation

| Fast<br>Tertiary<br>Reserve -<br>Downward | October 2023 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |       |
|-------------------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
|                                           | 1            | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25 | Max   |
| Day                                       |              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |       |
| 1                                         | 19.00        | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 19.00 |    | 19.00 |
| 2                                         | 19.00        | 19.00 | 19.00 | 19.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 19.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 19.00 |
| 3                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 4                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 5                                         | 18.00        | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 19.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |    | 19.00 |
| 6                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 7                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 8                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 9                                         | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 10                                        | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 11                                        | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 12                                        | 17.00        | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 |    | 17.00 |
| 13                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 20.00 |    | 20.00 |
| 14                                        | 20.00        | 20.00 | 20.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |    | 20.00 |
| 15                                        | 20.00        | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 18.00 | 18.00 | 18.00 | 17.00 | 17.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |    | 20.00 |
| 16                                        | 20.00        | 20.00 | 20.00 | 20.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |    | 20.00 |
| 17                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 20.00 | 20.00 |    | 20.00 |
| 18                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 18.00 | 20.00 | 20.00 |    | 20.00 |
| 19                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 20                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 21                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 22                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 17.00 | 20.00 | 20.00 | 17.00 | 17.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 23                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 24                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 25                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 26                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 27                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 28                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 29                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 30                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |
| 31                                        | 20.00        | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |    | 20.00 |

Clearing Prices for auctions organized in October 2023 for downward Fast Tertiary Reserve were between 17 lei/hMW and 20 lei/hMW, in most time intervals (46.44%), the Clearing Price was 20 lei/hMW.

## Contact

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