



**Transelectrica®**  
Societate Administrată în Sistem Dualist

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**MARKET MONITORING REPORT**  
**Ancillary Services**  
**July 2021**

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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 99.19% from TSO's necessary volume.
- The report contains requested quantities by Transelectrica (through NDC), contracted quantities based on bid amounts and realized quantities.
- 7 participants have supplied Ancillary Services: CE Hunedoara S.A., CE Oltenia S.A., Hidroelectrica S.A., Bepco S.R.L., Electro Energy Sud , OMV Petrom S.A. and Electrocentrale București.
- Transmission network losses have been contracted through CMBC market with: Next Energy Partners (C196/2020), OMV Petrom S.A. (C42, C107, C476/2020), Hidroelectrica S.A. (C41, C60, C167/2020), Nuclearelectrica S.A. (C44/2020), Entrex Services S.R.L. (CC28/2021), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

# Ancillary Services

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## Statistic Data

**Average Prices [lei/hMW] and Costs [lei]**

Reserves	Average weighted prices [lei/hMW]	Contracted services costs [lei]	Penalties for unfulfilled contracted services [lei]	Total costs Ancillary Services [lei]
Secondary regulation on / off consumption peak *	76.49	28,174,615.50	54,580.00	28,120,035.50
Fast Tertiary Regulation Upward	47.20	22,033,200.00	77,861.00	21,955,339.00
Fast Tertiary Regulation Downward	12.44	2,407,803.00	0.00	2,407,803.00
Slow Tertiary Regulation Upward	0.00	0.00	0.00	0.00
Network losses (CMBC)	258.82	9,607,507.17	0.00	9,607,507.17
Network losses (total)**	369.38	27,932,391.86	0.00	27,932,391.86

**Quantities [hMW/h]**

Requested	Reserves			Available regulation energy			Participants	
	Contracted	Realized	Not realized	average	min	max	Number	H/I
*500,00/500,00	*500,00/491,56	*499,03/490,66	*0,97/0,90	*517,09/507,37	*470,00/390,00	*730,00/692,00	3	4192
	627.42	627.42	625.18	2.24			6	6071
	266.53	260.08	260.08	0.00			5	3417
	0.00	0.00	0.00	0.00			0	0
	50	50	50	0.00			5	2406
	0	0	0	0.00				

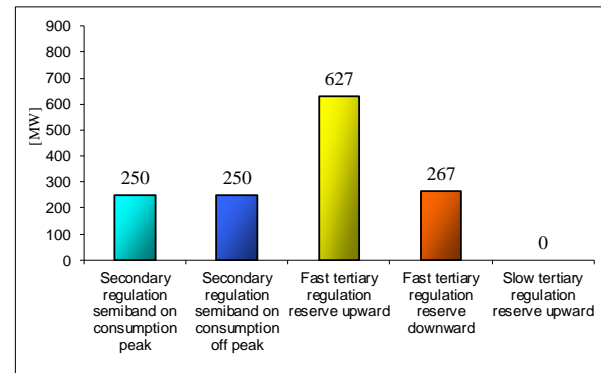
\* Secondary regulation band on /off peak

\*\* Including contracted quantities on CMBC, DAM, BM and IDM

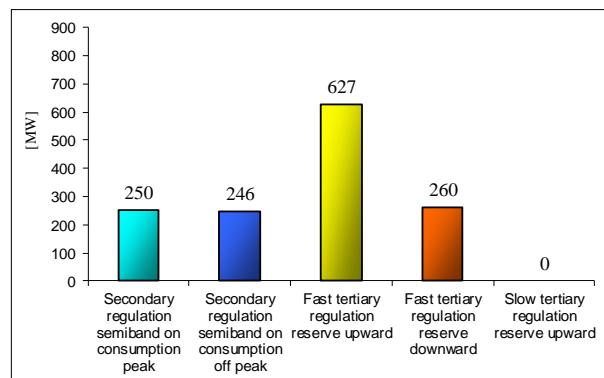
**Note:**

The average prices were calculated by deviding the total Ancillary Services to realized quantities  
 The network losses were contracted with Next Energy Partners(C196/2020), OMV Petrom (C42, C107, C476/2020), Hidroelectrica SA (C41, C60, C167/2020), Nuclearelectrica SA (C44/2020), Entrex Services SRL (CC28/2021).

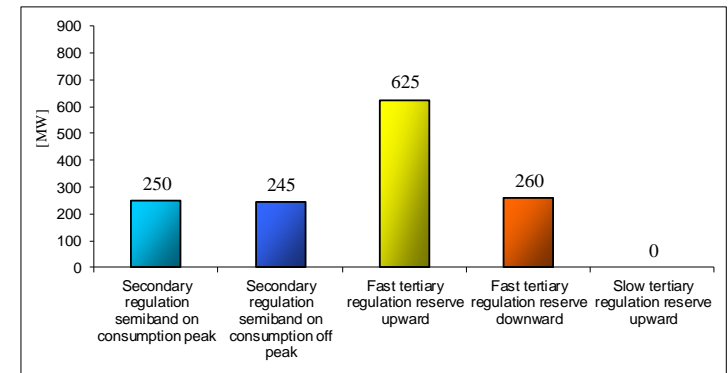
**Average requested quantities [hMW/h]**



**Average contracted quantities [hMW/h]**



**Average realized quantities [hMW/h]**



In July 2021, Ancillary Services contracts were concluded as a result of daily tenders organized by C.N.T.E.E. Transelectrica S.A. Necessary quantities to be purchased for Secondary Band Reserve remained at the level of the previous month. The quantities needed to be purchased for Upward Fast Tertiary Reserve increased, and those for Downward Fast Tertiary Reserve decreased compared to the previous month. In the case of Slow Tertiary Reserve, no tenders were held.

# Ancillary Services

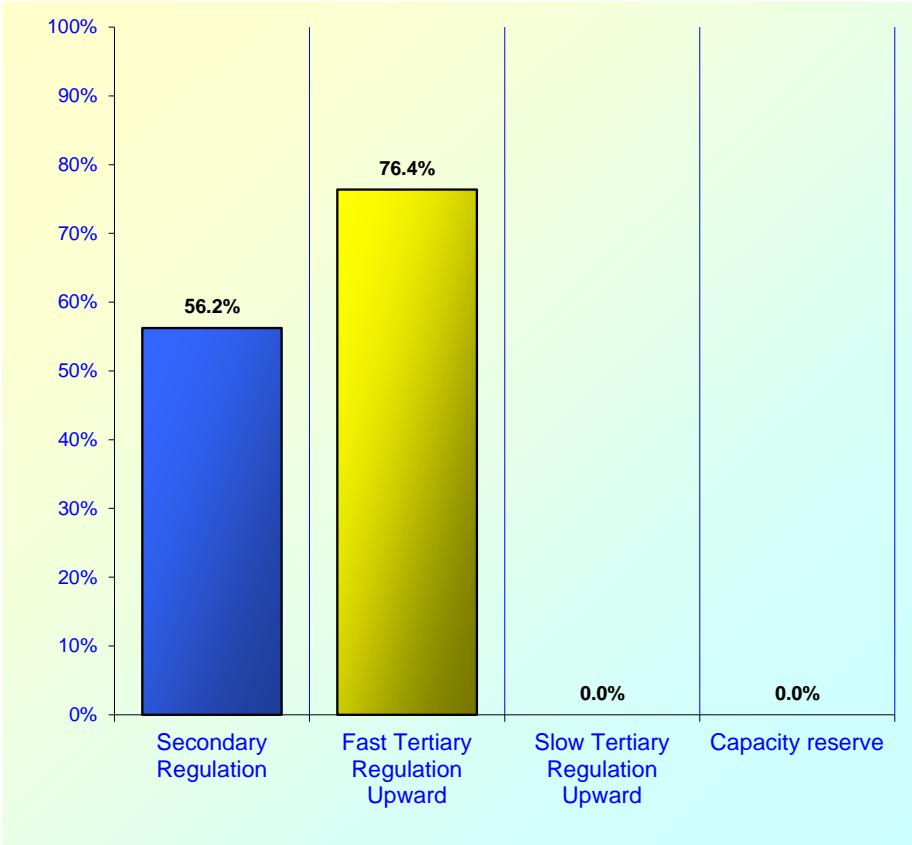


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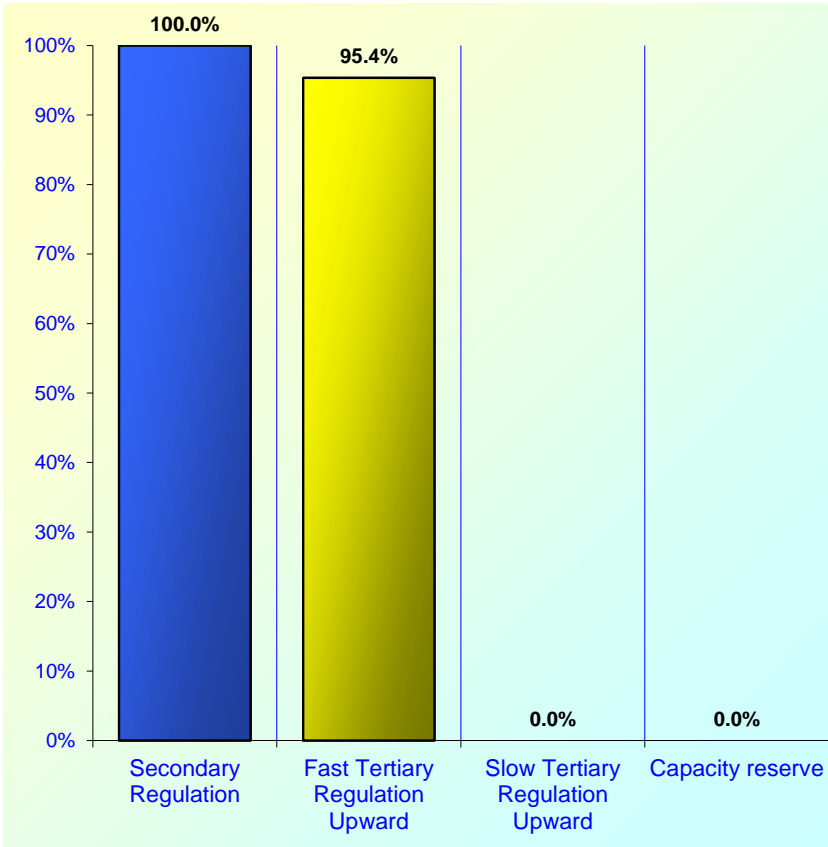
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## Market share of the most significant Ancillary Services Market Participants

### C1 (%) on type of regulation



### C3 (%) on type of regulation



Public

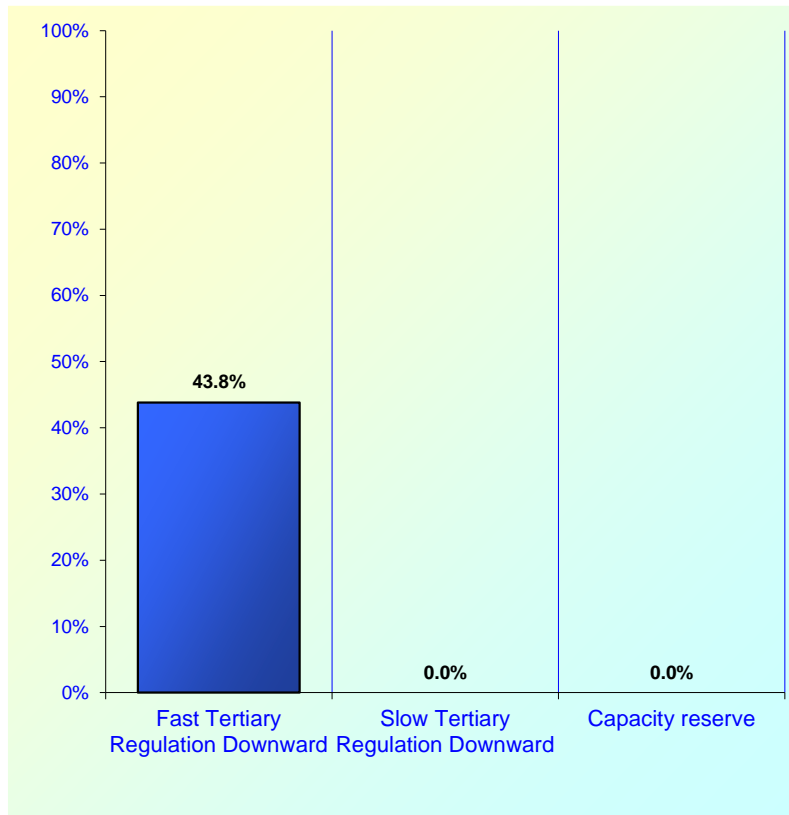
# Ancillary Services



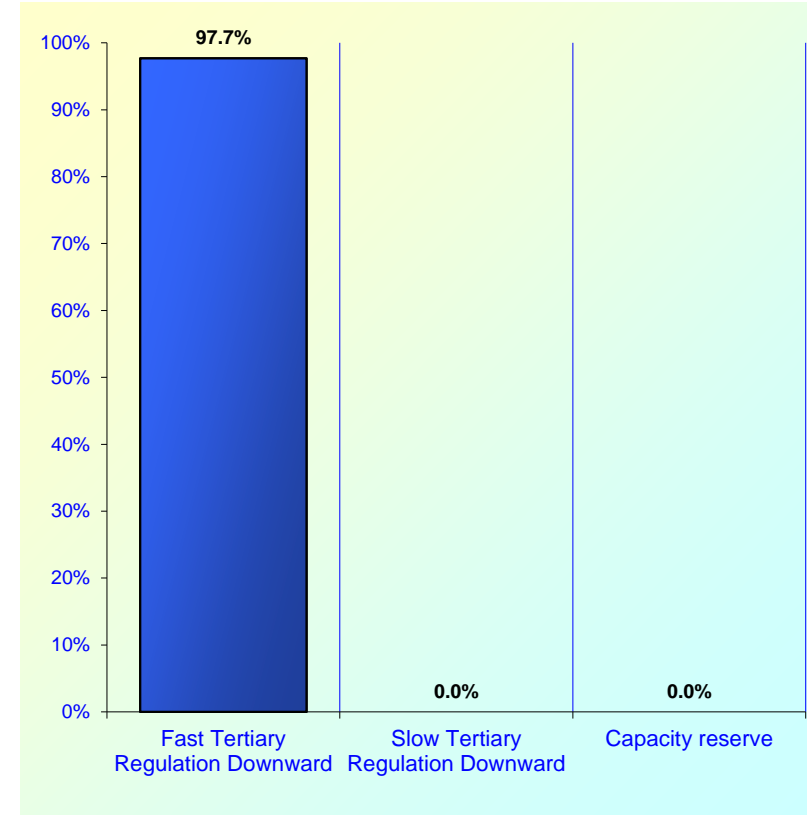
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## Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Public



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# Ancillary Services

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

Secondary Regulation Reserve	July 2021																									
	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	Max
1	65.00	65.00	65.00	65.00	65.00	65.00	65.00	60.00	65.00	80.00	80.00	125.00	112.00	116.00	118.00	112.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	104.00	125.00
2	60.00	63.45	60.00	60.00	60.00	60.00	60.00	60.00	77.00	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	116.00	116.00
3	65.00	69.45	65.00	65.00	65.00	65.00	65.00	65.00	65.00	73.00	74.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	75.00	99.00	112.00	117.00	104.00	117.00
4	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	65.00	65.00	65.00	94.00	103.00	110.00	95.00	110.00
5	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	86.00	102.00	100.00	96.00	95.00	93.00	88.00	87.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	102.00
6	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	68.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
7	60.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	80.00	77.00	75.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	141.00
8	80.00	78.00	65.00	60.00	60.00	60.00	60.00	60.00	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	145.00	145.00
9	80.00	60.00	60.00	60.00	60.00	60.00	60.00	68.00	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	117.00	117.00
10	80.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	80.00	80.00	80.00	65.00	65.00	65.00	65.00	71.00	76.00	70.00	65.00	80.00	80.00
11	80.00	81.00	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	84.00	118.00	130.00	142.00	139.00	142.00
12	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	121.00
13	80.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	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	135.00
14	80.00	60.00	60.00	60.00	60.00	60.00	60.00	66.00	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	119.00	119.00
15	80.00	65.00	65.00	65.00	65.00	65.00	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	111.00
16	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
17	80.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	78.00	80.00	80.00	80.00	80.00	80.00
18	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
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	98.00
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	85.45	85.45
21	80.00	65.00	65.00	65.00	65.00	65.00	60.00	60.00	65.00	66.00	65.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	69.00	75.00	65.00
22	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	110.00	125.00	123.00	88.00	125.00	88.00
23	80.00	65.00	65.00	65.00	65.00	65.00	60.00	60.00	88.00	103.00	102.00	95.00	91.00	93.00	96.00	94.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	103.00
24	80.00	65.00	65.00	65.00	65.00	65.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	73.00	77.00	74.00	65.00
25	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
26	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	92.00
27	80.00	60.00	60.00	60.00	60.00	60.00	60.00	66.00	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	120.00
28	80.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	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	124.00
29	80.00	65.00	65.00	65.00	65.00	65.00	60.00	62.45	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	145.00
30	80.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	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	142.00
31	80.00	64.45	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	61.00	60.00	63.00	69.00	71.00	64.00	60.00	66.00	80.00	80.00	80.00	80.00	80.00	80.00	84.00

Clearing Prices for auctions organized in July 2021 for Secondary Band Reserve were between 60 lei/hMW and 145 lei/hMW, in most time intervals (58.47%), the Clearing Price was 80 lei/hMW. The maximum price of 145 lei/hMW was registered in 2 time intervals (0.27%).







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# Ancillary Services

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

Fast Tertiary Reserve - Downward	July 2021																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
2	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
3	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
4	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00	20.00	15.00	15.00	15.00	12.00	12.00	15.00	15.00	15.00	20.00
5	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
6	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
7	10.00	15.00	12.00	12.00	12.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
8	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
9	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
10	15.00	15.00	15.00	15.00	15.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	15.00
11	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	17.00	17.00	15.00	15.00	15.00	10.00	10.00	10.00	15.00	15.00	17.00
12	12.00	12.00	12.00	12.00	12.00	12.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
13	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
14	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
15	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00
16	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	12.00
17	15.00	15.00	15.00	15.00	15.00	15.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	15.00
18	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	12.00	12.00	17.00	17.00	17.00
19	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00
20	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
21	12.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
22	10.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
23	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
24	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00	15.00
25	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
26	15.00	15.00	15.00	15.00	15.00	15.00	12.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
27	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00
28	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
29	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
30	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
31	12.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00

Clearing Prices for auctions organized in July 2021 for downward Fast Tertiary Reserve were between 10 lei/hMW and 20 lei/hMW, in most time intervals (68.28%), the Clearing Price was 12 lei/hMW. The maximum price of 20 lei/hMW was registered in 2 time intervals (0.27%).



## Contact

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