



**Transelectrica®**  
Societate Administrată în Sistem Dualist

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# **MARKET MONITORING REPORT**

## **Ancillary Services**

### **September 2020**

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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 100% from TSO's necessary volume.
- The report contains requested quantities by Transelectrica (through NDC), contracted quantities based on ANRE decisions, 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 Veolia Energie Prahova S.R.L.
- Transmission network losses have been contracted through CMBC market with: GEN-I doo (C763/2019, C780/2019), Tinmar Energy (C765/2019), Entrex Services (C789/2019, C854/2019), Renovatio Trading (C790/2019, C791/2019), ENGIE Romania (C807/2019, C808/2019), Entrex Services (C854/2019), Next Energy Partners (C949/2019), CE Oltenia (C108/2020, C43/2020), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

# Ancillary Services



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## Statistic Data

Reserves	Average Prices [lei/hMW] and Costs [lei]			
	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 *	63.09	19,117,400.00	6,500.00	19,110,900.00
Fast Tertiary Regulation Upward	38.19	14,892,000.00	841.00	14,891,159.00
Fast Tertiary Regulation Downward	18.57	4,678,660.00	0.00	4,678,660.00
Slow Tertiary Regulation Upward	13.31	3,833,280.00	0.00	3,833,280.00
Network losses (CMBC)	268.49	10,159,496.80	0.00	10,159,496.80
Network losses (total)**	276.16	22,525,475.55	0.00	22,525,475.55

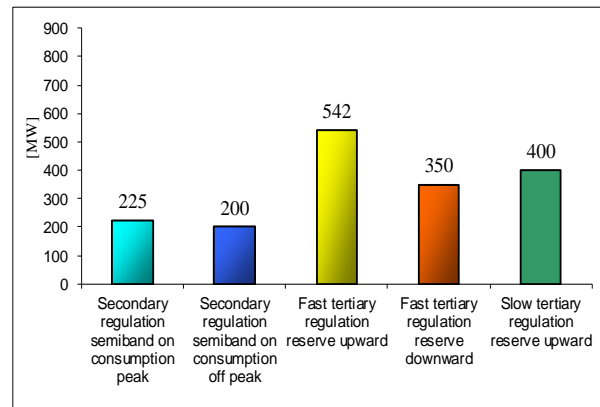
Reserves	Quantities [hMW/h]			Available regulation energy			Participants		
	Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
Secondary regulation on / off consumption peak *	*450,00/400,00	*449,50/400,36	*449,17/400,36	*0,33/0,00	*488,33/434,70	*350,00/400,00	*708,00/682,00	3	3579
Fast Tertiary Regulation Upward	541.67	541.67	541.63	0.04				6	4726
Fast Tertiary Regulation Downward	350.00	350.00	350.00	0.00				5	5148
Slow Tertiary Regulation Upward	400.00	400.00	400.00	0.00				1	10000
Network losses (CMBC)	53	53	53	0.00				7	2182

\* Secondary regulation band on / off peak

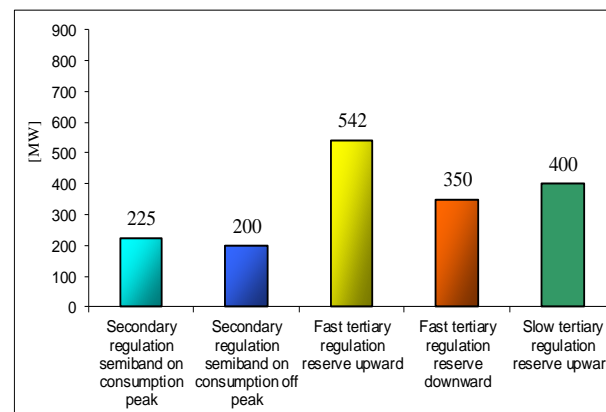
\*\* Including contracted quantities on CMBC, DAM, BM and IDM

**Note:**  
The average prices were calculated by deviding the total Ancillary Services to realized quantities  
The network losses were contracted with ENGIE Romania (C807, 808/2019), Entrex Services (C789, C854/2019), GEN-I doo (C763, C780/2019), Renovatio Trading (C790, C791/2019), Next Energy Partners (C949/2019), Tinmar Energy (C765/2019), CE Oltenia (C43, C108/2020).

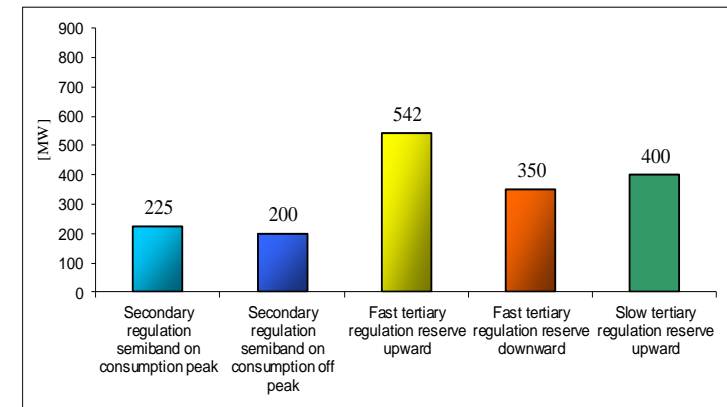
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



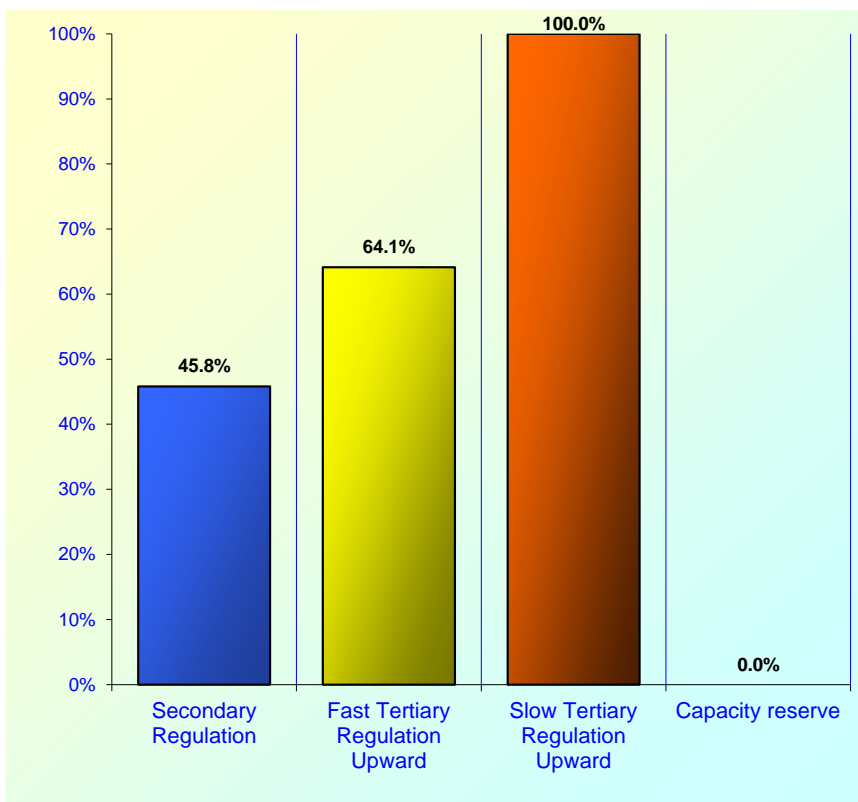
Average realized quantities [hMW/h]



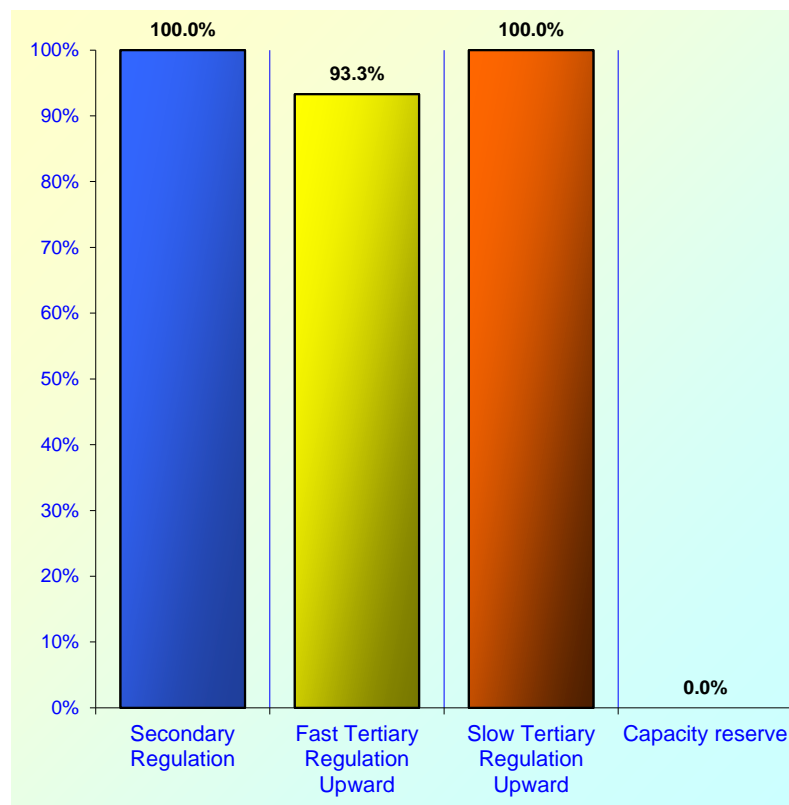
Against the background of the decrease of internal consumption and the predominant use of decreasing reserves, the diminished values of quantities necessary to be purchased for Secondary Regulation Reserve and Upward Fast Tertiary Reserve were maintained, without endangering the operational safety. Starting with September 2020, were also organized auctions for the Downward Fast Tertiary Reserve. In the case of Slow Tertiary Reserve, only the regulated quantity of 400 hMW/h was purchased.

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

### C1 (%) on type of regulation



### C3 (%) on type of regulation



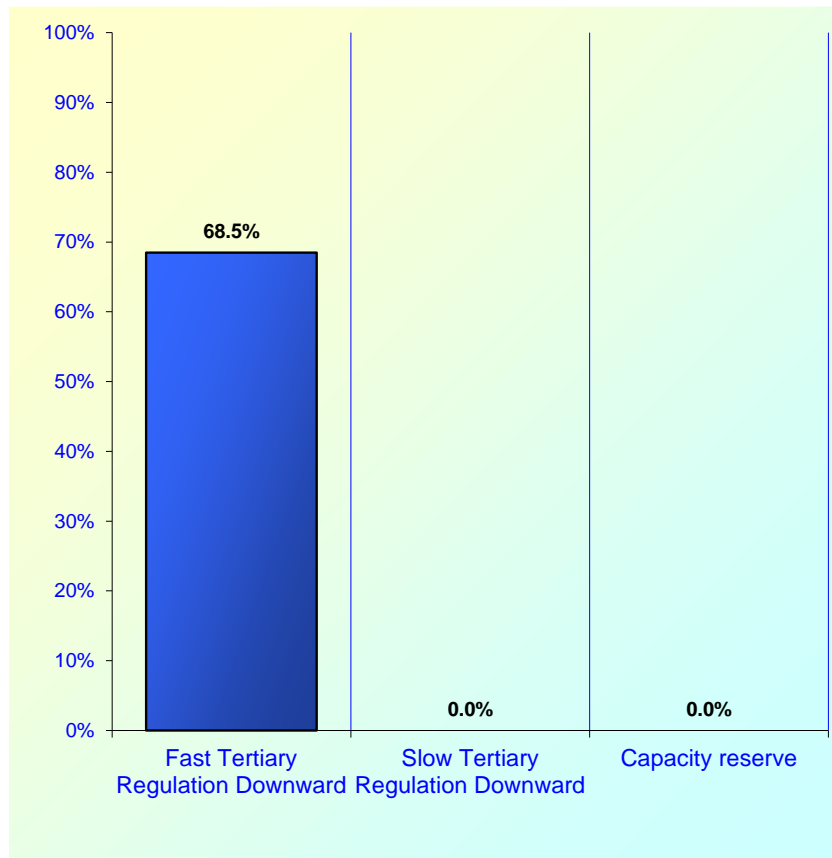
# Ancillary Services



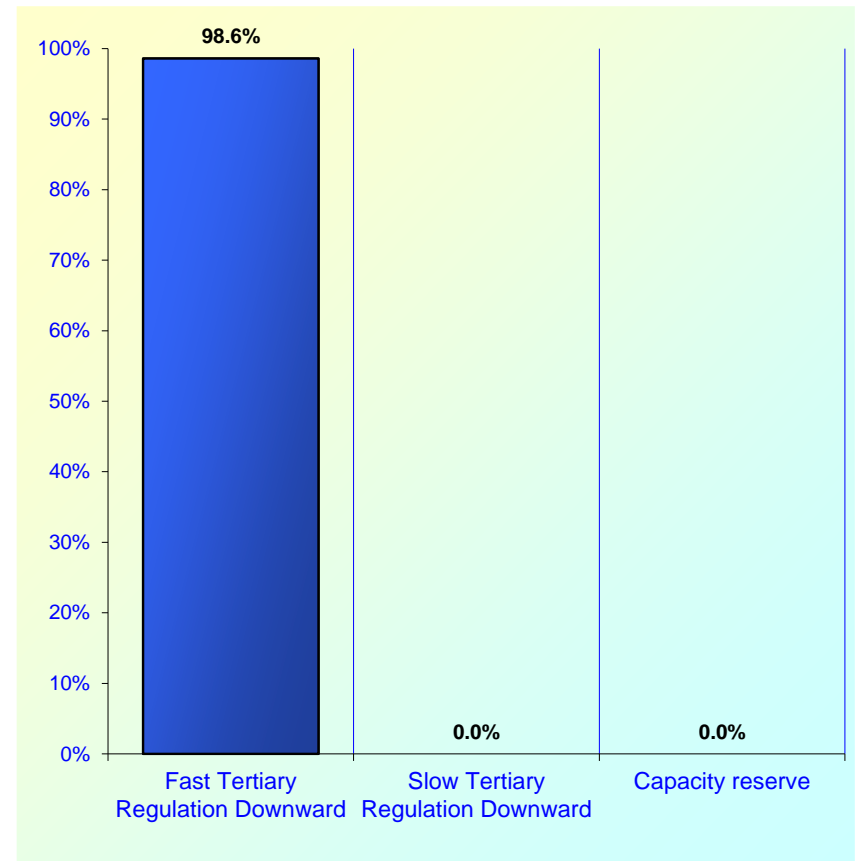
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Market share of the most significant Ancillary Services Market Participants

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	September 2020																											
	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	44.00	44.00	44.00	44.00	44.00	44.00	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	80.00	72.00	80.00	
2	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	77.00	78.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	72.00	80.00
3	44.00	51.00	44.00	44.00	44.00	44.00	60.00	71.00	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	72.00	80.00	
4	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	65.00	69.00	67.00	62.00	58.00	55.00	51.00	48.00	45.00	60.00	60.00	63.00	72.00	75.00	60.00	44.00	44.00	75.00	80.00	
5	60.00	60.00	60.00	60.00	60.00	60.00	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	60.00	65.00	
6	60.00	60.00	60.00	60.00	60.00	60.00	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	67.00	67.00	65.00	60.00	67.00	80.00	
7	60.00	60.00	60.00	60.00	60.00	60.00	80.00	80.00	77.00	78.00	74.00	72.00	71.00	68.00	65.00	65.00	65.00	67.00	74.00	80.00	80.00	80.00	80.00	77.00	66.00	66.00	80.00	
8	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	69.00	67.00	58.00	51.00	49.00	48.00	49.00	49.00	51.00	60.00	65.00	76.00	80.00	80.00	80.00	69.00	59.00	80.00	80.00	
9	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	75.00	80.00	74.00	68.00	66.00	65.00	61.00	61.00	62.00	64.00	70.00	80.00	80.00	80.00	80.00	72.00	61.00	80.00	80.00	
10	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	80.00	77.00	72.00	67.00	65.00	65.00	65.00	66.00	73.00	80.00	80.00	80.00	80.00	72.00	60.00	80.00	80.00	
11	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	60.00	60.00	60.00	50.00	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	67.00	80.00	78.00	60.00	46.00	80.00	80.00	
12	44.00	50.00	44.00	44.00	44.00	44.00	60.00	60.00	60.00	60.00	51.00	46.00	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	71.00	80.00	80.00	71.00	60.00	80.00	80.00	
13	44.00	60.00	60.00	60.00	60.00	60.00	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	60.00	65.00	
14	60.00	60.00	60.00	60.00	60.00	60.00	80.00	80.00	60.00	64.00	58.00	52.00	49.00	44.00	44.00	48.00	51.00	60.00	66.00	79.00	80.00	80.00	80.00	80.00	66.00	54.00	80.00	
15	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	75.00	80.00	74.00	65.00	64.00	64.00	65.00	65.00	65.00	70.00	79.00	80.00	80.00	80.00	80.00	80.00	80.00	67.00	80.00	
16	44.00	44.00	44.00	44.00	44.00	44.00	60.00	63.00	80.00	80.00	80.00	71.00	67.00	66.00	65.00	62.00	63.00	68.00	79.00	80.00	80.00	80.00	80.00	80.00	80.00	68.00	80.00	
17	44.00	44.00	44.00	44.00	44.00	44.00	60.00	73.00	80.00	80.00	80.00	76.00	70.00	65.00	65.00	63.00	65.00	68.00	78.00	80.00	80.00	80.00	80.00	80.00	68.00	53.00	80.00	
18	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	60.00	60.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	64.00	80.00	80.00	69.00	60.00	44.00	80.00	80.00	
19	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	60.00	60.00	60.00	55.00	55.00	55.00	55.00	55.00	55.00	60.00	60.00	68.00	80.00	80.00	80.00	80.00	60.00	44.00	80.00	
20	44.00	60.00	60.00	60.00	60.00	60.00	65.00	65.00	65.00	65.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	65.00	65.00	80.00	67.00	65.00	60.00	80.00	80.00	80.00	
21	60.00	60.00	60.00	60.00	60.00	60.00	80.00	80.00	80.00	80.00	77.00	67.00	62.00	60.00	59.00	57.00	59.00	64.00	73.00	80.00	80.00	80.00	80.00	71.00	56.00	80.00	80.00	
22	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	74.00	65.00	61.00	58.00	56.00	55.00	59.00	63.00	71.00	80.00	80.00	80.00	80.00	64.00	55.00	80.00	80.00	
23	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	80.00	69.00	64.00	60.00	60.00	60.00	62.00	67.00	76.00	80.00	80.00	80.00	80.00	80.00	60.00	44.00	80.00	
24	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	64.00	72.00	65.00	58.00	55.00	54.00	53.00	53.00	53.00	60.00	65.00	75.00	80.00	74.00	60.00	44.00	44.00	80.00	80.00	
25	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	77.00	65.00	62.00	58.00	51.00	44.00	44.00	60.00	61.00	73.00	80.00	70.00	60.00	44.00	44.00	80.00	80.00	
26	44.00	60.00	60.00	60.00	60.00	60.00	65.00	65.00	65.00	65.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	65.00	65.00	70.00	65.00	65.00	60.00	60.00	70.00	80.00	
27	65.00	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	80.00	80.00	
28	65.00	65.00	65.00	65.00	65.00	65.00	80.00	80.00	80.00	80.00	80.00	58.00	52.00	49.00	44.00	44.00	44.00	60.00	65.00	76.00	80.00	70.00	60.00	44.00	44.00	80.00	80.00	
29	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.00	80.00	80.00	80.00	80.00	80.00	80.00	72.00	53.00	80.00	
30	44.00	44.00	44.00	44.00	44.00	44.00	60.00	60.00	80.00	80.00	80.00	80.00	80.00	74.00	71.00	67.00	68.00	72.00	80.00	80.00	80.00	80.00	80.00	80.00	68.00	55.00	80.00	

Clearing Prices for auctions organized in September 2020 for Secondary Band Reserve were between 44 lei/hMW and 80 lei/hMW, in most time intervals (21.81%), the Clearing Price was 80 lei/hMW.







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# Ancillary Services

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

September 2020

Fast Tertiary Reserve - Downward	September 2020																									
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	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	20.00
2	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	20.00
3	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	20.00
4	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	20.00
5	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	20.00
6	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	20.00
7	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	20.00
8	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	20.00
9	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
10	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	18.00	18.00	18.00	18.00	18.00	18.00
11	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90
12	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	18.00	18.00	18.00	18.00	18.00	18.00
13	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	20.00
14	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	18.00	18.00	18.00	18.00	20.00
15	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	18.00	18.00	18.00	18.00	18.00	18.00
16	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	18.00	18.00	18.00	18.00	18.00	18.00
17	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	18.00	18.00	18.00	18.00	18.00	18.00
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	17.00	17.00	17.00	17.00	17.00
19	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	17.00
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	20.00
21	20.00	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	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00
22	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	17.00
23	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	17.00
24	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	17.00
25	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	15.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	15.00	15.00	15.00	15.00	15.00	15.00	17.00
26	17.00	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	20.00
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	20.00
28	20.00	20.00	20.00	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	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	20.00
29	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	15.00	15.00	15.00	15.00	17.00	17.00
30	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	17.00

Clearing Prices for auctions organized in September 2020 for downward Fast Tertiary Reserve were between 15 lei/hMW and 20 lei/hMW, in most time intervals (43.61%), the Clearing Price was 20 lei/hMW.



## Contact

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