



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT
Ancillary Services
November 2020



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 (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.
- 10 participants have supplied Ancillary Services: CE Hunedoara SA, CE Oltenia SA, Hidroelectrica SA, Bepco S.R.L., Electro Energy Sud, Electrocentrale Bucuresti SA, OMV Petrom SA, Veolia Energie Prahova, Veolia Energie Iasi, Romgaz SA.
- Transmission network losses have been contracted through CMBC market with: ENGIE România (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 SA (C43, C108/2020), 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 *	66.59	20,657,750.00	20,658.00	20,637,092.00
Fast Tertiary Regulation Upward	42.16	17,050,200.00	152,424.00	16,897,776.00
Fast Tertiary Regulation Downward	14.95	2,776,265.00	0.00	2,776,265.00
Slow Tertiary Regulation Upward	13.31	3,833,280.00	0.00	3,833,280.00
Network losses (CMBC)	268.40	10,177,586.40	0.00	10,177,586.40
Network losses (total)**	276.22	22,016,316.43	0.00	22,016,316.43

Quantities [hMW/h]

Reserves				Available regulation energy			Participants	
Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
*460,00/410,00	*460,00/410,00	*459,50/409,67	*0,50/0,33	*501,03/452,29	*350,00/374,00	*832,00/844,00	4	3313
561.81	561.81	556.70	5.10				9	5349
257.92	257.92	257.92	0.00				6	3998
400.00	400.00	400.00	0.00				1	10000
53	53	53	0.00				7	2177

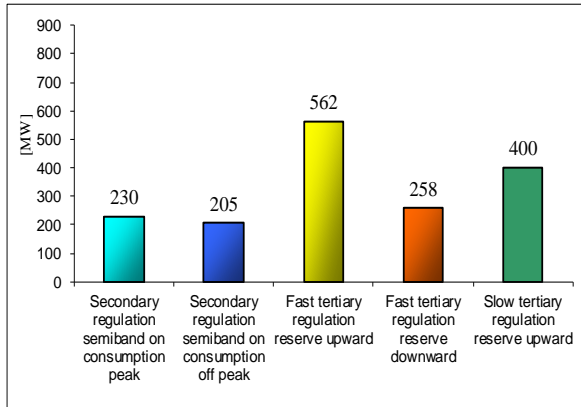
* Secondary regulation band on /off peak

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

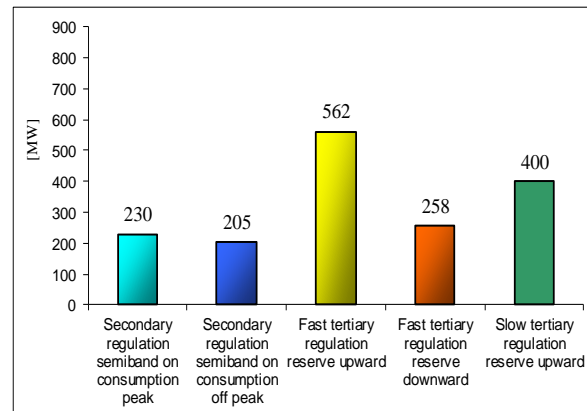
Note:

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).

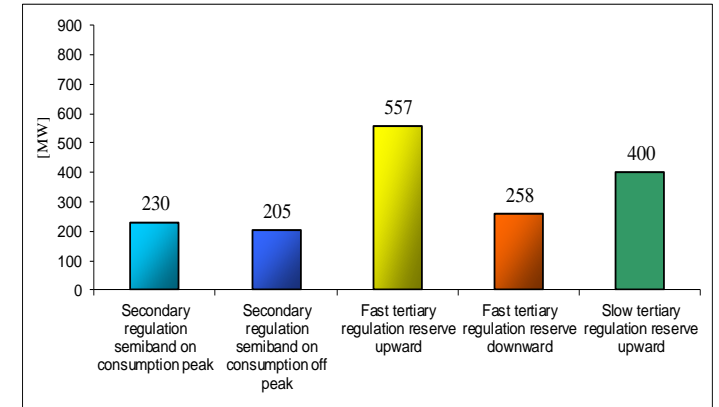
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



Average realized quantities [hMW/h]



In time period 1 - 24.11.2020, the diminished values of the quantities necessary to be purchased for Secondary Reserve and Upward Fast Tertiary Reserve were maintained, without endangering the safety of NPS operation. Starting with 25.11.2020, amid increasing consumption and the use of upward reserves, the values of the quantities needed to be purchased have increased to the level used before March 2020. Tenders for the Downward Fast Tertiary Reserve continued to be organized. In the case of Slow Tertiary Reserve, no tenders were organized, being purchased only the regulated quantity of 400 hMW/h.

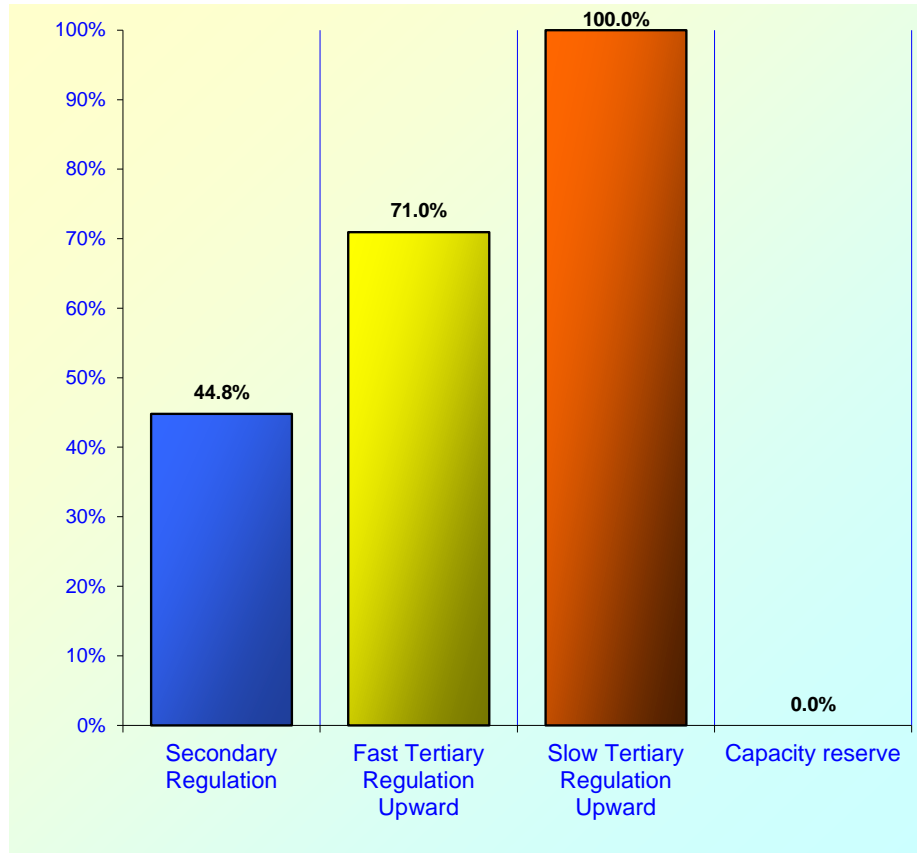
Ancillary Services



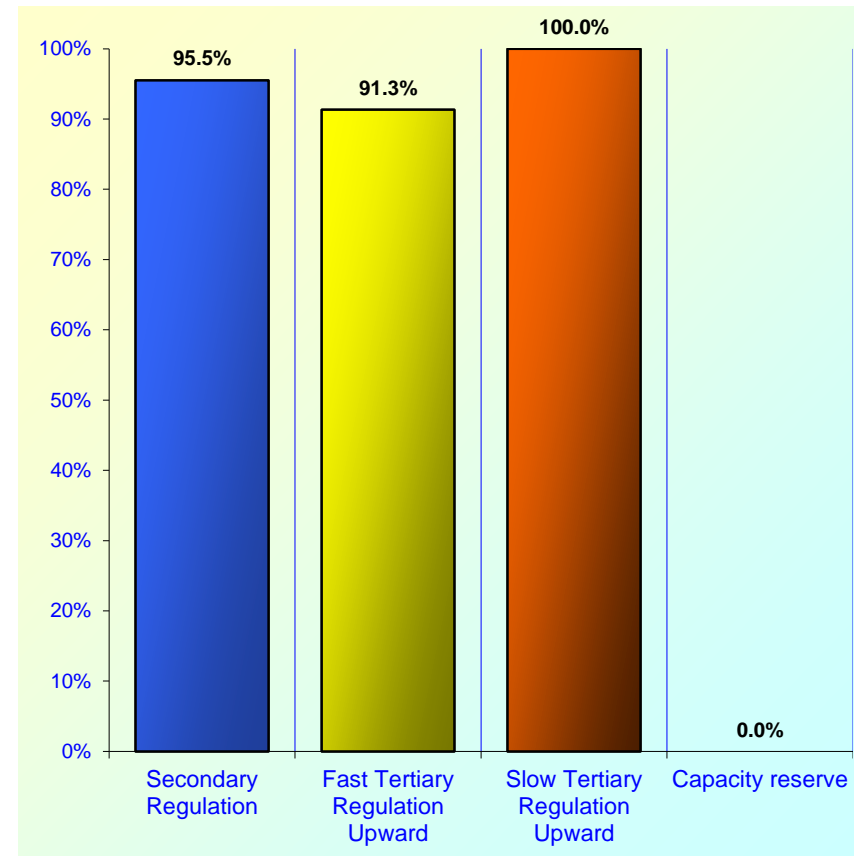
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Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Public

Ancillary Services

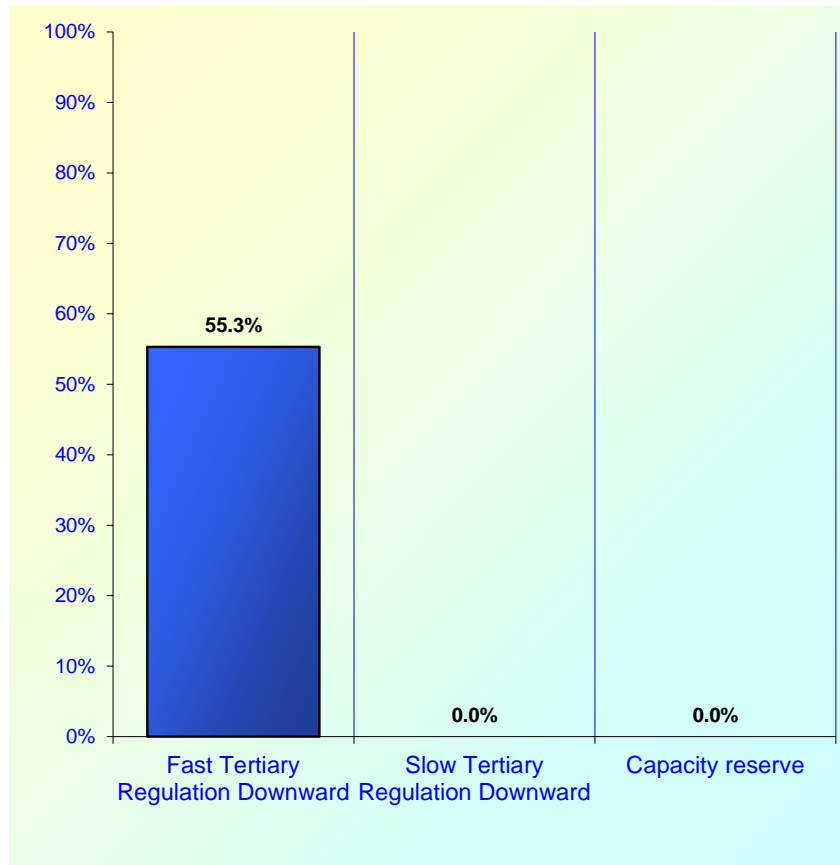


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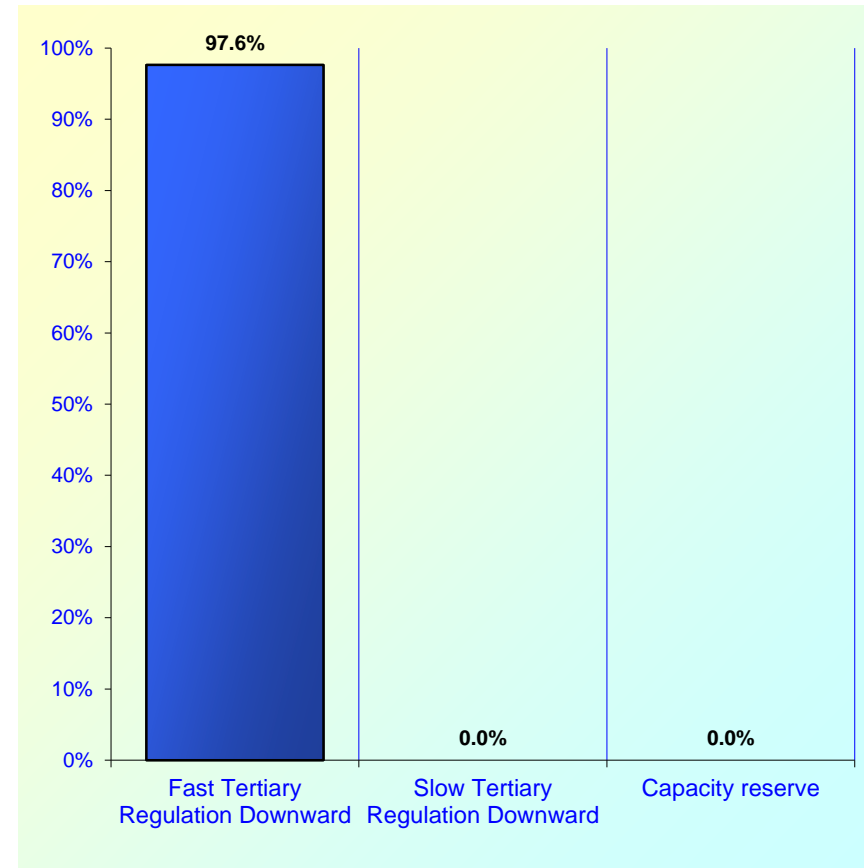
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Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Public



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Ancillary Services

Auction Price [lei/MWh] – Secondary Regulation

Secondary Regulation Reserve	November 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	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
2	65.00	65.00	65.00	65.00	65.00	65.00	80.00	80.00	80.00	80.00	80.00	80.00	65.00	65.00	65.00	65.00	65.00	65.00	71.00	80.00	80.00	80.00	67.00	60.00	60.00	80.00
3	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	64.00	61.00	60.00	60.00	60.00	60.00	60.00	60.00	61.00	70.00	65.00	63.00	60.00	60.00	60.00	70.00
4	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	60.00	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	61.00	67.00	64.00	63.00	60.00	59.50	67.00
5	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	63.00	59.50	59.50	59.50	59.50	59.50	59.50	59.50	60.00	70.00	61.00	60.00	59.50	59.50	59.50	70.00
6	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	60.00	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	75.00	66.00	65.00	60.00	59.50	59.50	75.00
7	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	60.00	59.50	59.50	59.50	59.50	59.50	59.50	65.00	65.00	60.00	60.00	60.00	60.00	59.50	59.50	65.00
8	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	80.00	80.00	66.00	66.00	65.00	60.00	60.00	80.00
9	60.00	60.00	60.00	60.00	60.00	65.00	80.00	80.00	62.00	61.00	59.50	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	78.00	73.00	70.00	60.00	59.50	59.50	80.00
10	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	62.00	64.00	60.00	59.50	59.50	59.50	59.50	59.50	59.50	62.00	65.00	78.00	68.00	65.00	60.00	59.50	59.50	78.00
11	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	65.00	65.00	68.00	63.00	60.00	59.50	59.50	60.00	65.00	70.00	80.00	77.00	74.00	65.00	60.00	60.00	80.00
12	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	68.00	73.00	73.00	64.00	60.00	60.00	60.00	60.00	65.00	78.00	80.00	80.00	80.00	80.00	65.00	59.50	59.50	80.00
13	59.50	59.50	59.50	59.50	59.50	59.50	60.00	62.00	75.00	80.00	80.00	80.00	80.00	75.00	72.00	71.00	74.00	78.00	80.00	80.00	80.00	80.00	68.00	59.50	59.50	80.00
14	59.50	59.50	59.50	59.50	59.50	59.50	60.00	60.00	60.00	60.00	65.00	60.00	59.50	59.50	59.50	59.50	59.50	65.00	80.00	80.00	80.00	80.00	65.00	59.50	59.50	80.00
15	60.00	60.00	60.00	60.00	60.00	60.00	65.00	65.00	65.00	65.00	65.00	60.00	60.00	60.00	80.00	80.00	80.00	80.00	65.00	74.00	80.00	80.00	69.00	60.00	60.00	80.00
16	60.00	60.00	60.00	60.00	60.00	65.00	80.00	80.00	78.00	80.00	80.00	80.00	77.00	68.00	64.00	64.00	64.00	69.00	80.00	80.00	80.00	80.00	61.00	59.50	59.50	80.00
17	59.50	59.50	59.50	59.50	59.50	59.50	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	65.00	59.50	80.00
18	59.50	59.50	59.50	59.50	59.50	59.50	60.00	64.00	79.00	80.00	80.00	78.00	72.00	69.00	68.00	69.00	78.00	80.00	80.00	75.00	67.00	65.00	60.00	59.50	59.50	80.00
19	59.50	59.50	59.50	59.50	59.50	59.50	60.00	59.50	67.00	72.00	70.00	62.00	60.00	60.00	60.00	60.00	72.00	80.00	80.00	80.00	80.00	78.00	65.00	59.50	59.50	80.00
20	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	70.00	73.00	64.00	60.00	59.50	59.50	59.50	59.50	60.00	68.00	80.00	80.00	80.00	76.00	60.00	59.50	59.50	80.00
21	43.00	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	60.00	62.00	62.00	60.00	60.00	60.00	59.50	59.50	62.00
22	43.00	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	59.50	63.00	72.00	69.00	66.00	59.50	59.50	59.50	72.00
23	44.00	59.50	59.50	59.50	59.50	59.50	60.00	60.00	73.00	72.00	66.00	65.00	64.00	64.00	65.00	65.00	72.00	80.00	80.00	80.00	80.00	67.00	59.50	59.50	80.00	80.00
24	43.00	59.50	59.50	59.50	59.50	59.50	59.50	59.50	66.00	75.00	69.00	61.00	60.00	60.00	60.00	63.00	66.00	75.00	80.00	80.00	80.00	80.00	74.00	60.00	59.50	80.00
25	44.00	59.50	59.50	59.50	59.50	59.50	60.00	70.00	80.00	80.00	80.00	78.00	75.00	70.00	70.00	73.00	79.00	80.00	80.00	80.00	80.00	80.00	77.00	60.00	59.50	80.00
26	44.00	60.00	60.00	60.00	60.00	60.00	60.00	68.00	80.00	80.00	80.00	80.00	80.00	76.00	71.00	71.00	77.00	80.00	80.00	80.00	80.00	80.00	80.00	68.00	60.00	80.00
27	44.00	59.50	59.50	59.50	59.50	59.50	60.00	69.00	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	66.00	59.50	80.00
28	60.00	60.00	59.50	59.50	59.50	59.50	60.00	63.00	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	76.00	60.00	59.50	80.00
29	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	70.00	65.00	80.00
30	65.00	65.00	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	76.00	65.00	65.00	80.00

Clearing Prices for auctions organized in November 2020 for Secondary Band Reserve were between 43 lei/hMW and 80 lei/hMW, in most time intervals (30.83%), the Clearing Price was 59.5 lei/hMW. The maximum price of 80 lei/hMW was registered in 162 of time intervals (22.5%).

Ancillary Services

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

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Fast Tertiary Reserve - Upward	November 2020																								Max		
	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	
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	40.00	50.00	50.00	40.00	40.00	40.00	40.00	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	40.00	50.00	40.00	40.00	40.00	40.00	40.00	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	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	35.00	40.00
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	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	35.00	40.00
5	35.00	35.00	35.00	35.00	35.00	35.00	40.00	50.00	50.00	50.00	50.00	50.00	50.00	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	50.00
6	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
7	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	40.00	50.00
8	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
9	35.00	40.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
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	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	35.00	40.00
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	40.00	40.00	35.00	40.00
12	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	50.00	40.00	40.00	40.00	40.00	40.00	40.00	29.00	50.00
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	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	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	50.00	50.00	50.00	50.00	50.00	50.00	40.00	35.00	50.00
16	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	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	29.00	50.00
17	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	40.00	40.00	29.00	40.00
18	29.00	40.00	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	40.00	40.00	35.00	40.00
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	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	40.00	50.00
20	40.00	40.00	40.00	40.00	40.00	40.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	40.00	42.00
21	35.00	35.00	35.00	35.00	35.00	35.00	40.00	40.00	40.00	40.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
22	35.00	35.00	35.00	35.00	35.00	35.00	40.00	40.00	40.00	40.00	40.00	40.00	50.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	35.00	50.00
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	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	35.00	40.00
24	35.00	35.00	35.00	35.00	35.00	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	40.00	40.00	35.00	40.00
25	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	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	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
27	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	29.00	50.00
28	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00
29	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	40.00	40.00	35.00	40.00
30	35.00	35.00	35.00	35.00	35.00	35.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	35.00	50.00

Clearing Prices for auctions organized in November 2020 for downward Fast Tertiary Reserve were between 11 lei/hMW and 20 lei/hMW, in most time intervals (35%), the Clearing Price was 15 lei/hMW. The maximum price of 20 lei/hMW was registered in 43 of time intervals (5.97%).



Transelectrica[®]
Societate Administrată în Sistem Dualist

Ancillary Services

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

Fast Tertiary Reserve - Downward	November 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	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	17.00	17.00	17.00	17.00	17.00	17.00	17.00
2	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	17.00
3	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
4	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
5	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	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	14.90
6	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	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	14.90	14.90	14.90
7	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	12.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	12.00	12.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
8	14.90	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
9	15.00	15.00	15.00	15.00	15.00	17.00	17.00	17.00	17.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	17.00
10	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
11	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	12.00	12.00	12.00	14.90	14.90	14.90	14.90	14.90	12.00	12.00	12.00	12.00	12.00	12.00	14.90	14.90	14.90	14.90
12	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	12.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
13	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
14	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90
15	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	17.00	12.00	12.00	12.00	12.00	12.00	12.00	15.00	15.00	17.00	17.00
16	15.00	15.00	15.00	15.00	15.00	17.00	17.00	17.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	12.00	12.00	12.00	12.00	12.00	14.90	12.00	14.90	12.00	17.00
17	12.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00	12.00	15.00	15.00	15.00	12.00	15.00
18	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
19	15.00	15.00	15.00	15.00	15.00	15.00	15.00	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	15.00
20	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
21	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	12.00	12.00	15.00
22	15.00	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00
23	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
24	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	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
25	20.00	20.00	20.00	20.00	20.00	20.00	20.00	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	15.00	15.00	15.00	15.00	20.00	20.00
26	20.00	20.00	20.00	20.00	20.00	20.00	20.00	15.00	12.00	12.00	12.00	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	20.00	20.00
27	20.00	20.00	20.00	20.00	20.00	20.00	20.00	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	12.00	12.00	12.00	12.00	20.00	20.00	20.00
28	20.00	20.00	20.00	20.00	20.00	20.00	20.00	15.00	15.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	14.90	20.00
29	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	15.00	15.00	15.00	15.00	17.00	17.00	15.00	12.00	11.00	11.00	12.00	12.00	12.00	15.00	20.00	20.00	20.00
30	20.00	20.00	20.00	20.00	20.00	20.00	17.00	17.00	12.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	15.00	17.00	17.00	17.00	17.00	15.00	20.00	20.00

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