



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Ancillary Services

April 2021



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 97.79% from TSO's necessary volume.
- The report contains requested quantities by Transelectrica (through NDC), contracted quantities based on bid amounts and realized quantities.
- Starting with 24th of March 2021, the TA1 group from CET Arad (Power Plant) was granted a certificate for the realization of the ancillary service of Fast Tertiary Reserve, the qualification being granted in temporary conditions until 1st of March 2022. Market participant CET Arad (30XROCETARAD --- 5) participated in the daily auctions organized on Damas platform starting with 14th of April 2021.
- 8 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., CET Arad and Veolia Energie Iasi.
- Transmission network losses have been contracted through CMBC market with: Next Energy Partners (C949/2019), OMV Petrom (C42, C107, C476/2020), Hidroelectrica SA (C41, C60, C167/2020), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

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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 *	77.46	26,462,460.00	58,500.00	26,403,960.00
Fast Tertiary Regulation Upward	46.61	20,939,400.00	10,140.00	20,929,260.00
Fast Tertiary Regulation Downward	11.67	2,208,880.00	0.00	2,208,880.00
Slow Tertiary Regulation Upward	0.00	0.00	0.00	0.00
Network losses (CMBC)	257.70	8,330,974.56	0.00	8,330,974.56
Network losses (total)**	297.48	25,755,763.39	0.00	25,755,763.39

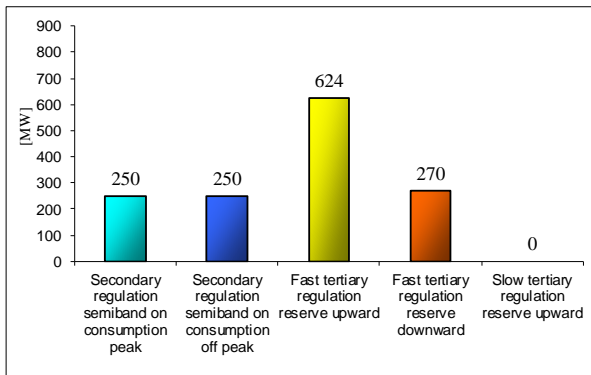
Reserves	Quantities [hMW/h]			Available regulation energy			Participants		
	Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
Secondary regulation on / off consumption peak *	*500,00/500,00	*500,00/456,21	*498,93/455,19	*1,07/1,02	*517,12/473,63	*460,00/320,00	*766,00/766,00	3	5148
Fast Tertiary Regulation Upward	623.89	623.89	623.59	0.30				7	6017
Fast Tertiary Regulation Downward	269.79	262.88	262.88	0.00				6	5276
Slow Tertiary Regulation Upward	0.00	0.00	0.00	0.00				0	0
Network losses (CMBC)	45	45	45	0.00				4	2847

* Secondary regulation band on / off peak

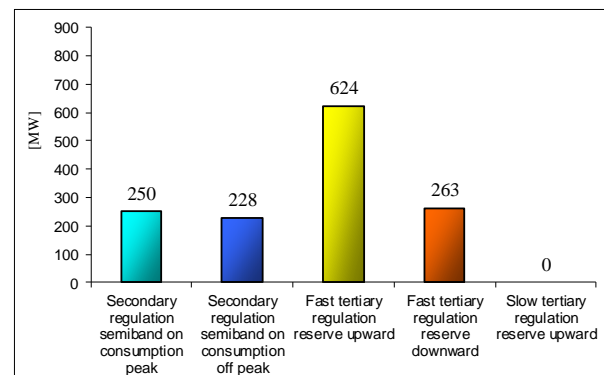
** Including contracted quantities on CMBC, DAM, BM and IDM

Note:
The average prices were calculated by deviding the total Ancillary Services to realized quantities
The network losses were contracted with Next Energy Partners (C949/2019), OMV Petrom (C42, C107, C476/2020), Hidroelectrica SA (C41, C60, C167/2020), Nuclearelectrica SA (C44/2020).

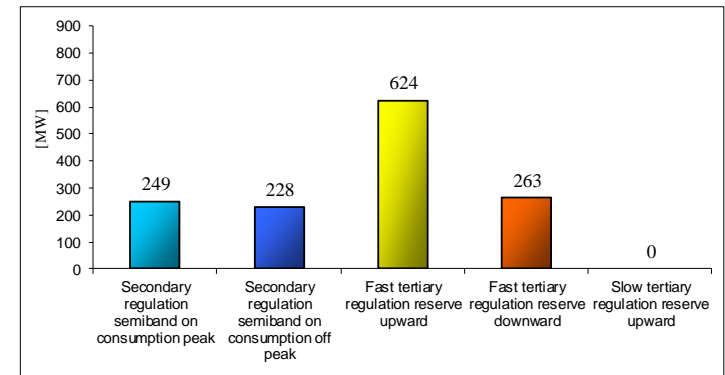
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



Average realized quantities [hMW/h]



In April 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 remained at the level of the previous month. In the case of Slow Tertiary Reserve, no tenders were held.

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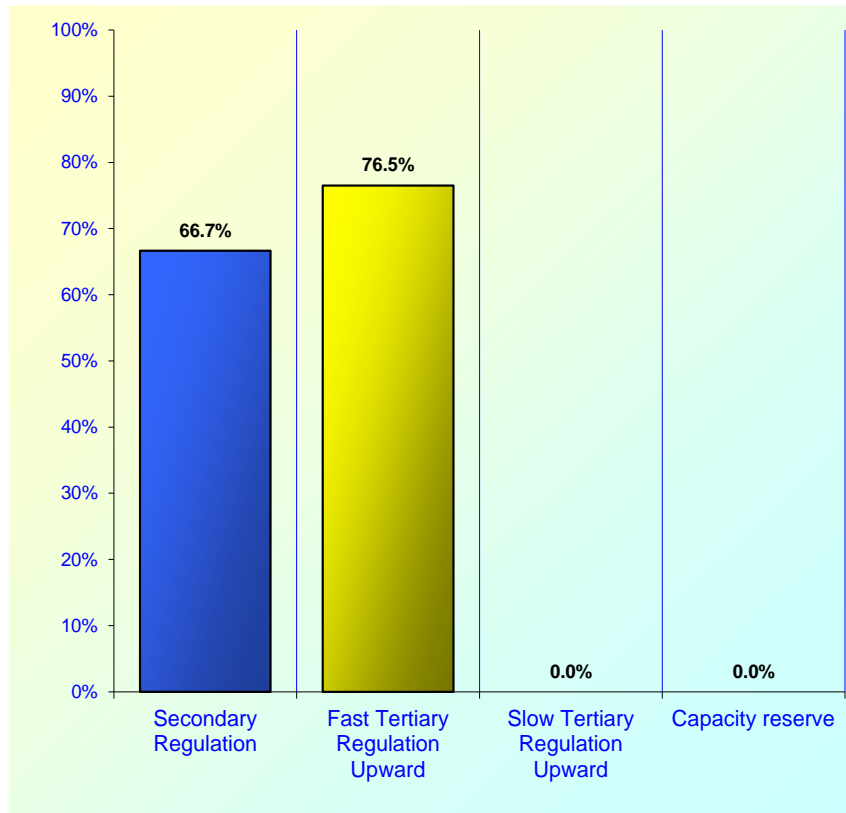


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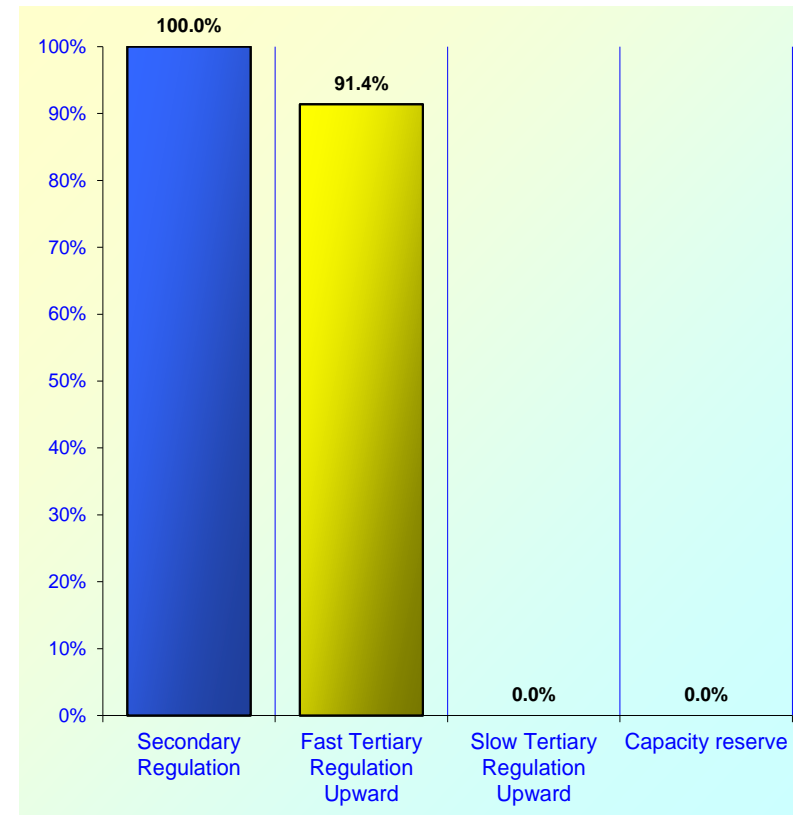
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Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



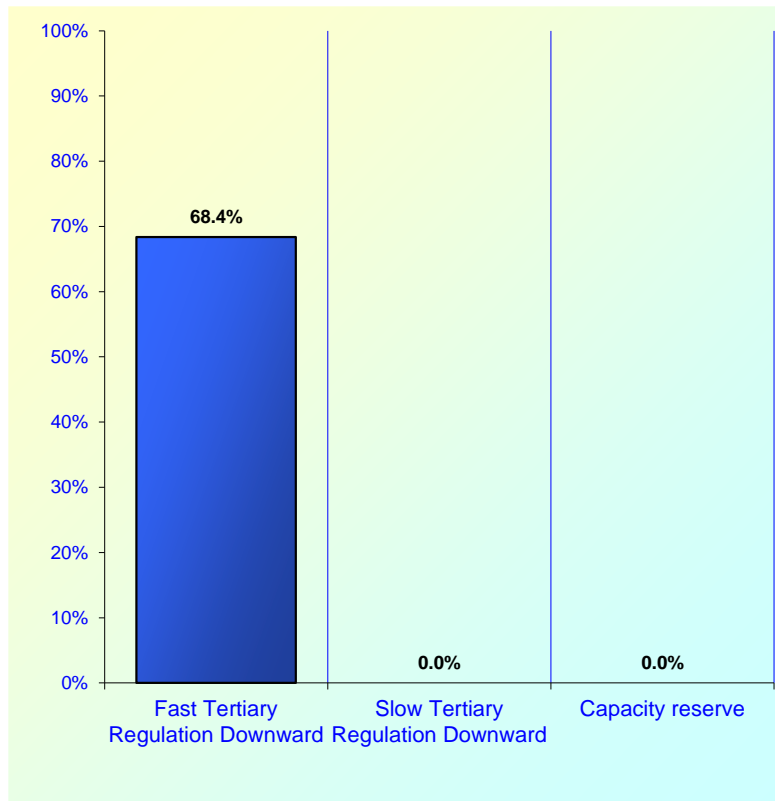
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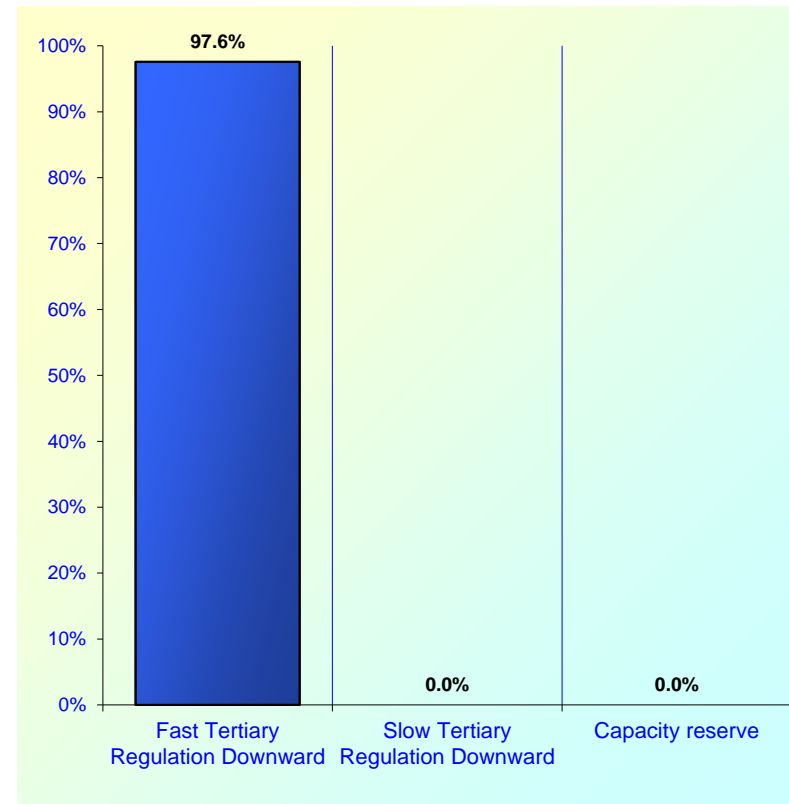


Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



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

Fast Tertiary Reserve - Downward - additional tenders	April 2021																								Max	
	ziua	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		24
3	-	20.00	20.00	20.00	20.00	20.00	15.00																			20.0
4	20.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0

In the case of tenders for Downward Fast Tertiary Reserve, there were several time intervals from 03.04 to 12.04.2021 in which the entire required quantity was not purchased. In order to cover the necessary, additional auction sessions were organized for the intervals that remained uncovered from 03.04 to 12.04.2021, but only for the tenders for 03.04 and 04.04.2021, offers were received from the participants.

The clearing price for **additional** tenders organized in April 2021 for Downward Fast Tertiary Reserve between 15 lei/hMW and 20 lei/hMW, in most time intervals (85.71%), the Clearing Price was 20 lei/hMW.



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