

# MARKET MONITORING REPORT

## Ancillary Services

November 2018

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.
- 9 participants have supplied Ancillary Services: CE Hunedoara S.A., CE Oltenia S.A., Hidroelectrica S.A., SC Romgaz SA, Electrocentrale Galati, Electrocentrale Bucuresti, SC Bepco SRL, Electro Energy Sud, Veolia Energie Iasi.
- Transmission network losses have been contracted through CMBC market with: SN Nuclearelectrica (C123/2017), Renovatio Trading (C6, C7/2018), EDS (C65, C66/2018), CE Oltenia (C256/2017), Next Energy Partners (C22, C23, C24/2018), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

## 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 *	78.55	27,120,000.00	962,880.00	26,157,120.00
Fast Tertiary Regulation	41.29	20,622,250.00	132,060.00	20,490,190.00
Slow Tertiary Regulation	19.66	9,909,720.00	427.27	9,909,292.73
Network losses	206.50	8,132,697.36	0.00	8,132,697.36
Network losses (total)**	277.66	25,877,751.18	0.00	25,877,751.18

**Quantities [hMW/h]**

Reserves	Reserves			Available regulation energy			Participants		
	Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
Secondary regulation on / off consumption peak *	*500,00/450,00	*500,00/450,00	*491,06/442,07	*8,94/7,94	*515,69/483,90	*430/384	*722/652	3	7441
Fast Tertiary Regulation	691.67	691.67	689.29	2.38				8	7567
Slow Tertiary Regulation	700.00	700.00	699.99	0.01				3	4756
Network losses	55	55	55	0.00				5	2714

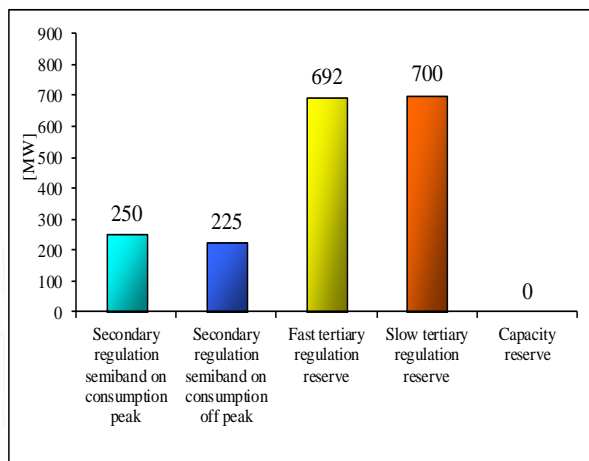
\* Secondary regulation band on /off peak

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

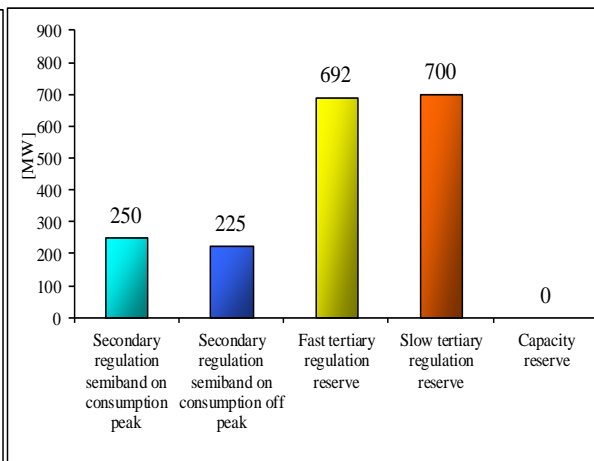
**Note:**  
The average prices were calculated by deviding the total Ancillary Services to realized quantities

The network losses were contracted with SN Nuclearelectrica (C123/2017), Renovatio Trading (C6, C7/2018), EDS (C65, C66/2018), CE Oltenia (C256/2017), Next Energy Partners (C22, C23, C24/2018).

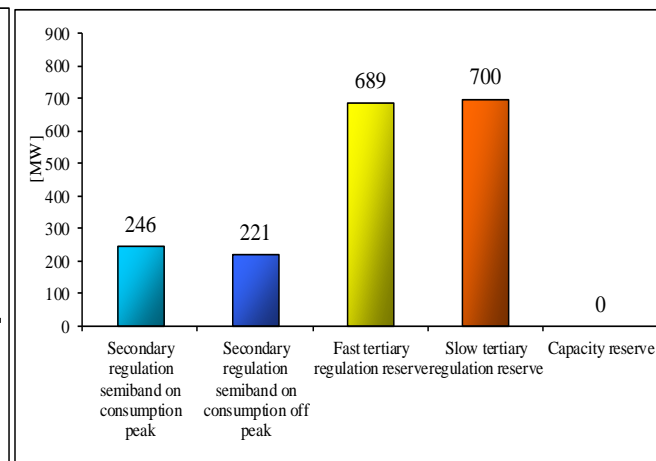
**Average requested quantities [hMW/h]**



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

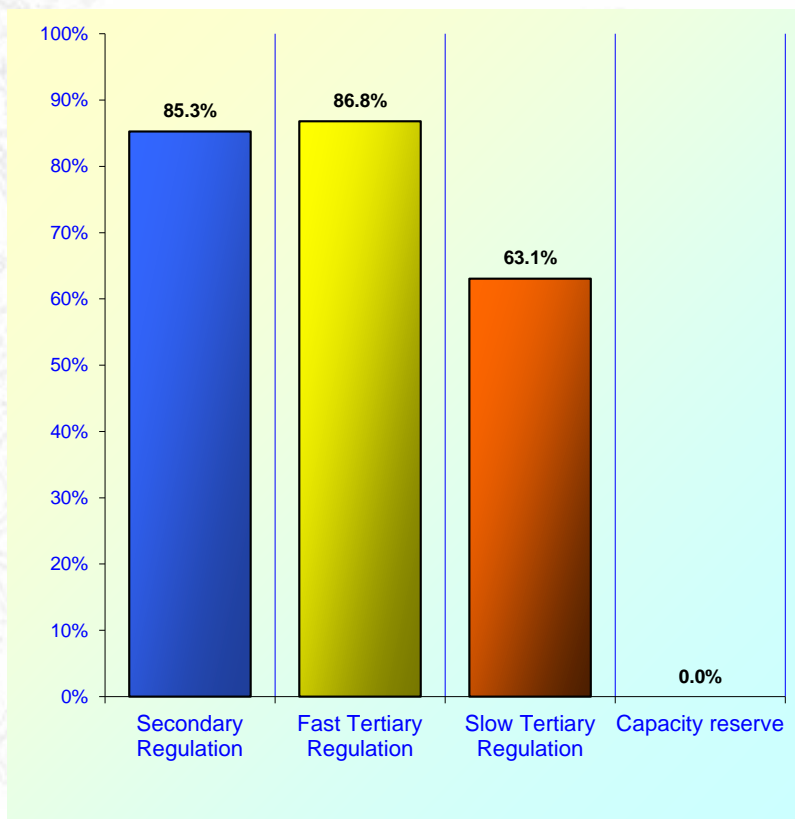


**Average realized quantities [hMW/h]**

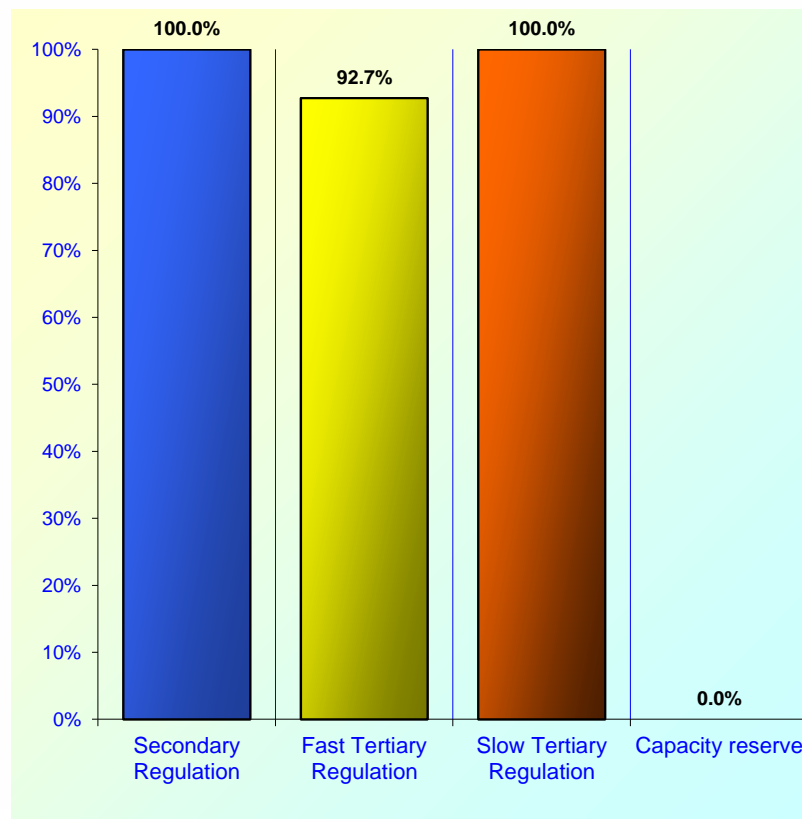


## Market share of the most significant Ancillary Services Market Participants

### C1 (%) on type of regulation



### C3 (%) on type of regulation



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