

# MARKET MONITORING REPORT

## Ancillary Services

August 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.
- 8 participants have supplied Ancillary Services: CE Hunedoara S.A., CE Oltenia S.A., Hidroelectrica S.A., SC Romgaz S.A., Electrocentrale Galati, Electrocentrale Bucuresti, Bepco S.R.L., Electro Energy Sud S.R.L.
- Transmission network losses have been contracted through CMBC market with: SN Nuclearelectrica (C123/2017), Romgaz (C147/2017), Renovatio Trading (C6, C7/2018), EDS (C65, C66/2018), CE Oltenia (C256/2017), Next Energy Partners (C22, C23, C24/2018), Menarom P.E.C. (C63, C64/2018), 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 ***	79.94	28,024,000.00	40,960.00	27,983,040.00
Fast Tertiary Regulation	42.39	21,839,500.00	54,526.80	21,784,973.20
Slow Tertiary Regulation	41.40	21,561,684.48	0.00	21,561,684.48
Network losses	204.38	9,990,419.35	0.00	9,990,419.35
Network losses (total)**	226.82	16,899,836.13	0.00	16,899,836.13

**Quantities [hMW/h]**

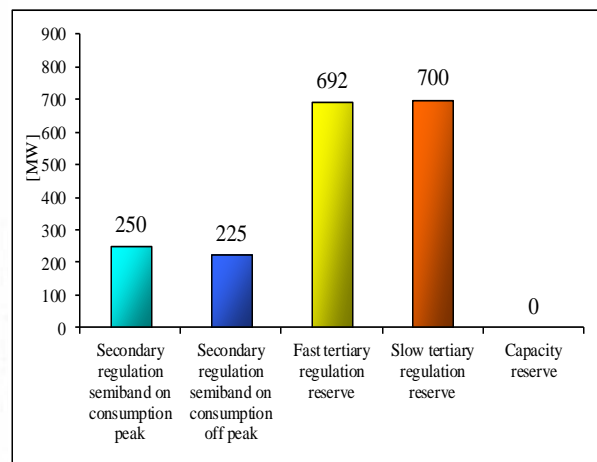
Reserves	Reserves				Available regulation energy			Participants	
	Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
Secondary regulation on / off consumption peak ***	*500,00/450,00	*500,00/450,00	*499,86/449,51	*0,14/0,49	*523,24/478,00	*500/420	*662/580	3	7258
Fast Tertiary Regulation	691.67	691.67	690.75	0.92				6	7893
Slow Tertiary Regulation	700.00	700.00	700.00	0.00				3	4458
Network losses	66	66	66	0.00				7	2023

\* Secondary regulation band on /off peak

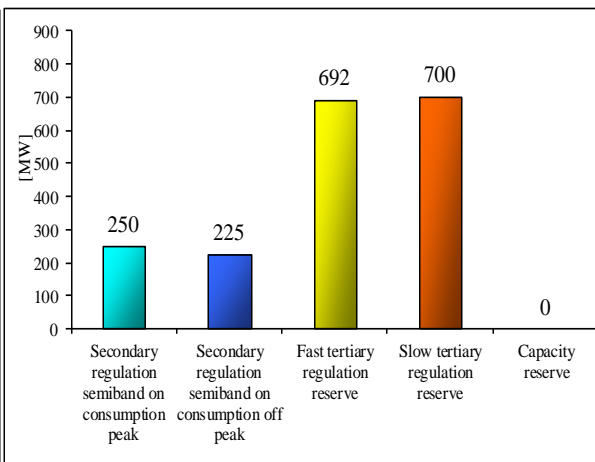
\*\* Including contracted quantities on CMBC, DAM, BM and IDM

**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), Romgaz (C147/2017), Renovatio Trading (C6, C7/2018), EDS (C65, C66/2018), CE Oltenia (C256/2017), Next Energy Partners (C22, C23, C24/2018), Menarom P.E.C. (C63, C64/2018).

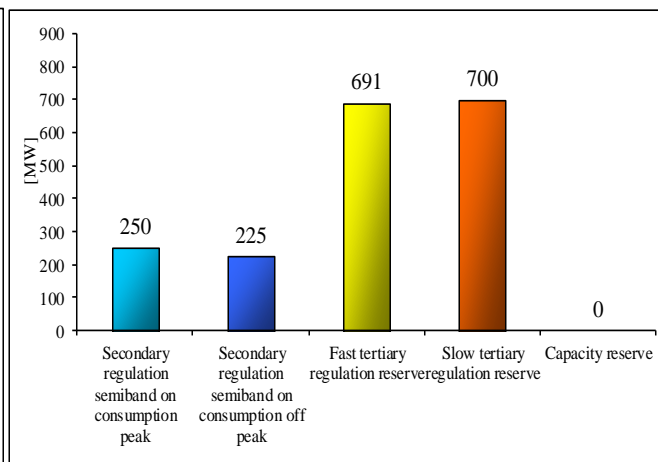
**Average requested quantities [hMW/h]**



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

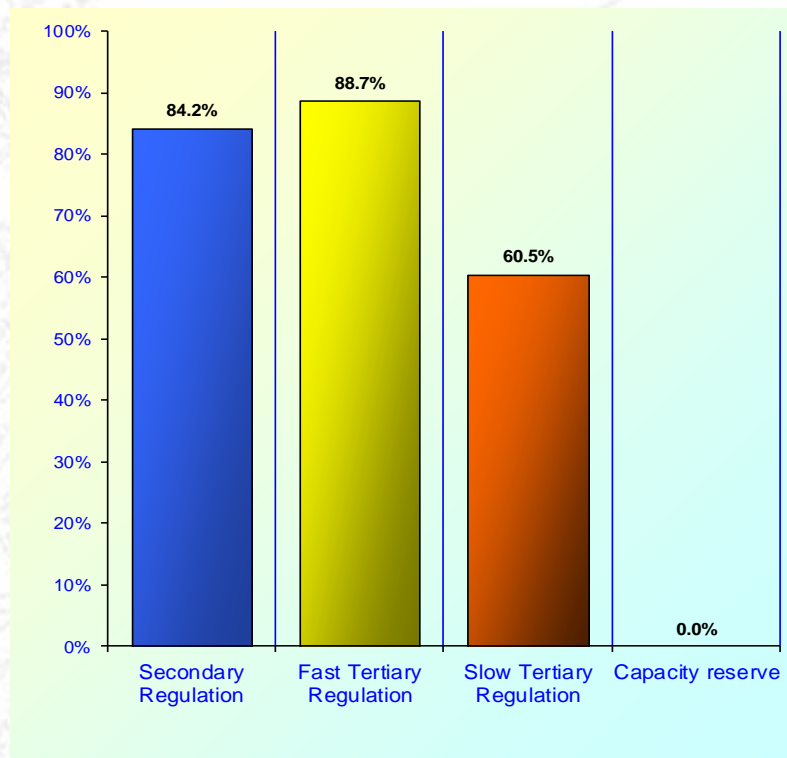


**Average realized quantities [hMW/h]**

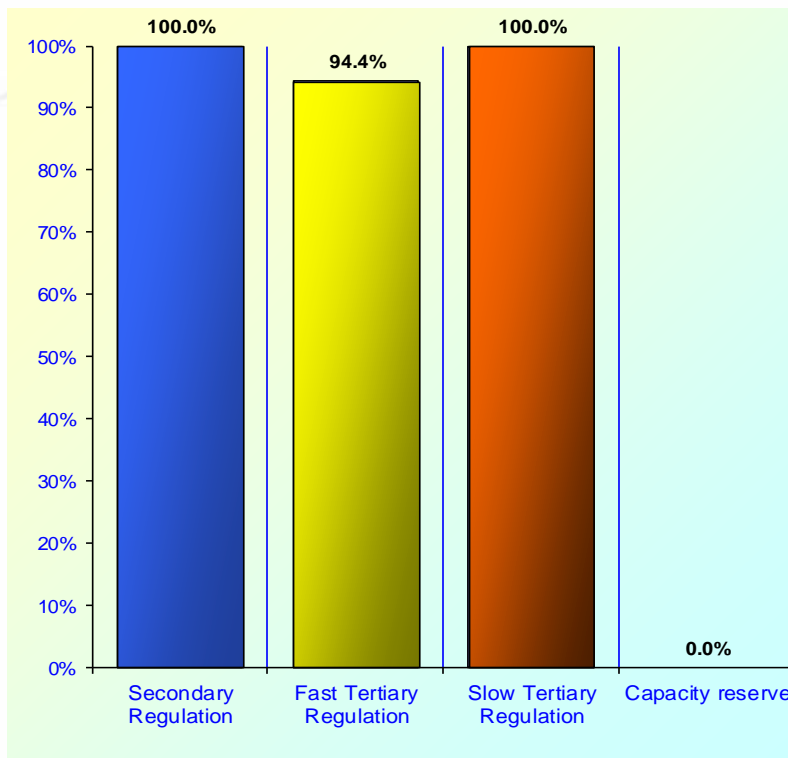


## Market share of the most significant Ancillary Services Market Participants

### C1 (%) on type of regulation



### C3 (%) on type of regulation



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