

# MARKET MONITORING REPORT

## Ancillary Services

September 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., Romgaz S.A., Electrocentrale Galati S.A., Electrocentrale Bucuresti S.A., SC 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 *	78.73	27,120,000.00	845,120.00	26,274,880.00
Fast Tertiary Regulation	43.78	21,804,000.00	0.00	21,804,000.00
Slow Tertiary Regulation	18.58	9,363,240.00	0.00	9,363,240.00
Network losses	181.62	8,106,556.80	0.00	8,106,556.80
Network losses (total)**	248.51	15,932,696.45	0.00	15,932,696.45

**Quantities [hMW/h]**

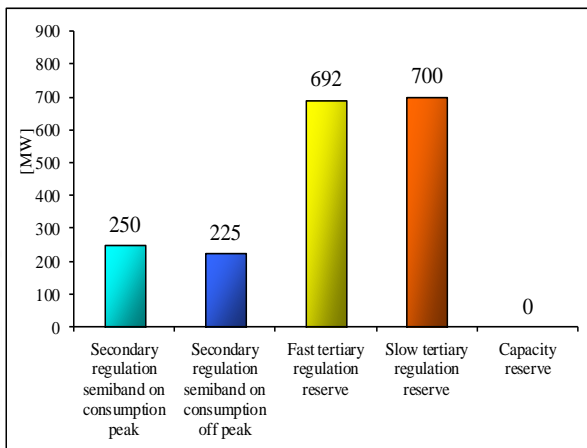
Requested	Reserves			Available regulation energy			Participants	
	Contracted	Realized	Not realized	average	min	max	Number	HHI
*500,00/450,00	*500,00/450,00	*493,31/442,20	*6,69/7,80	*511,30/460,79	*410/360	*632/562	4	6685
691.67	691.67	691.67	0.00				6	8377
700.00	700.00	700.00	0.00				3	4964
55	55	55	0.00				7	2675

\* Secondary regulation band on /off peak

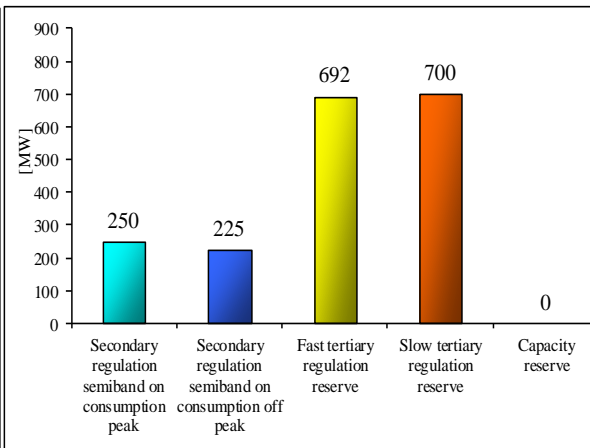
\*\* Including contracted quantities on CMBC, DAM, BM and IDM

**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).

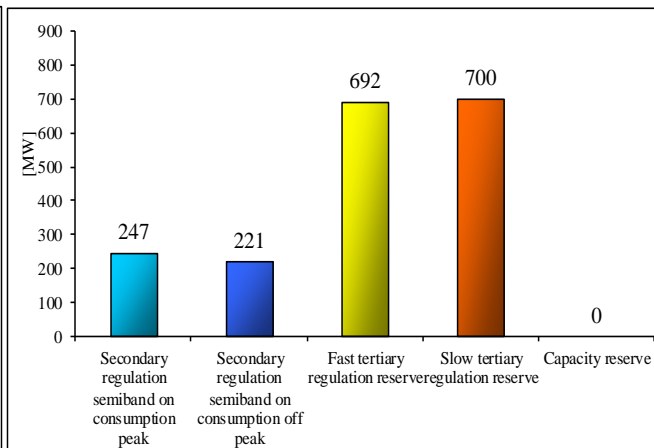
**Average requested quantities [hMW/h]**



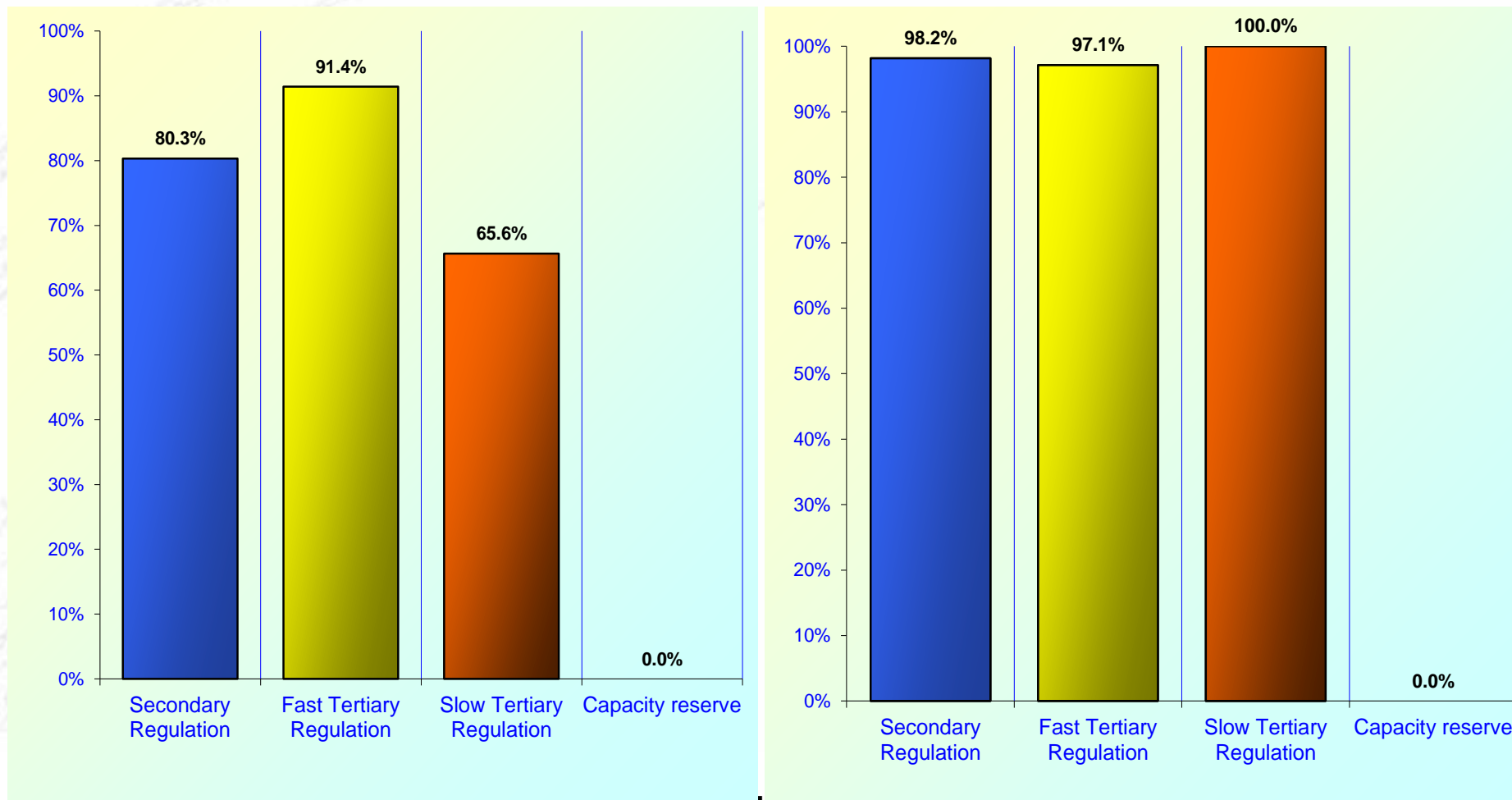
**Average contracted quantities [hMW/h]**



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



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



**Email: [Monitorizare.Piata@transelectrica.ro](mailto:Monitorizare.Piata@transelectrica.ro)**  
**Fax:021 3035630**