

# MARKET MONITORING REPORT

## Ancillary Services

March 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 ANRE Decision no 1814/12.12.2017 in compliance with HG 760/2017, established hourly values of secondary, fast tertiary and slow tertiary reserves ensured through bilateral contracts, contracts with regulated quantities and prices, settled between Transelectrica and CE Hunedoara SA, the producer that holds qualified units for Ancillary Services supplying, for the time period 03 January 2018 ÷ 15 March 2018.
- ANRE Decisions no. 1815, 1816/12.12.2017 established regulated hourly values of slow tertiary reserves between Transelectrica and participants operating on alternative fuel, for the time period 03 January – 15 March 2018, in compliance with Government decision 760/2017.
- The contracts signed between the Ancillary System Services Suppliers and Transelectrica covered 100% from TSO's necessary volume (in case of Secondary Regulation, TSO's necessary volume was reduced).
- 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 SA, CE Oltenia S.A., Hidroelectrica S.A., SC Romgaz S.A., Veolia Energie Prahova, Veolia Energie Iasi, Electrocentrale Galati, Electrocentrale Bucuresti, SC Bepeco SRL, Electro Energy Sud.
- Transmission network losses have been contracted through CMBC market with: SN Nuclearelectrica (C123/2017), Romgaz (C147/2017), Tinmar Energy SA (C167, C168/2017), Renovatio Trading (C228, C229, C230/2017), Monsson Trading (C235, C236, C237/2017), EDS (C274, C275, C276/2017), CE Oltenia (C256/2017), 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 *	65.01	23,100,820.00	852,500.00	22,248,320.00
Fast Tertiary Regulation	36.97	19,054,084.00	102,680.67	18,951,403.33
Slow Tertiary Regulation	16.92	10,151,706.00	138,078.00	10,013,628.00
Network losses (CMBC)	211.04	9,988,371.90	0.00	9,988,371.90
Network losses (total)**	185.03	23,729,080.40	0.00	23,729,080.40

**Quantities [hMW/h]**

Requested	Reserves			Available regulation energy			Number	HHI
	Contracted	Realized	Not realized	average	min	max		
*500,00/450,00	*500,00/450,00	*489,32/440,09	*10,68/9,91	*515,96/464,74	*474/424	*622/510	5	4695
691.92	691.92	689.99	1.94				9	5694
801.75	801.75	796.43	5.32				5	3192
64	64	64					6	2284

**Participants**

Number	HHI
5	4695
9	5694
5	3192
6	2284

\* Secondary regulation band on /off peak

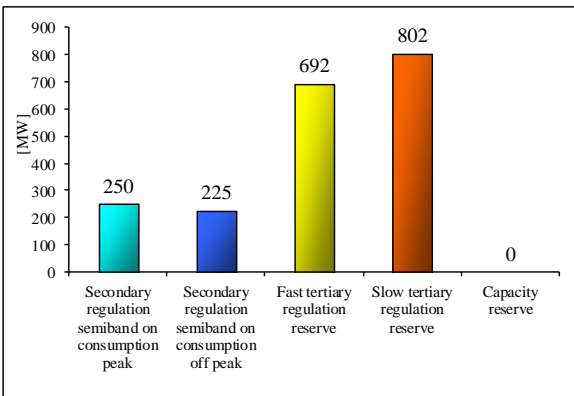
\*\* Including contracted quantities on CMBC, DAM, BM and IDM

**Note:**

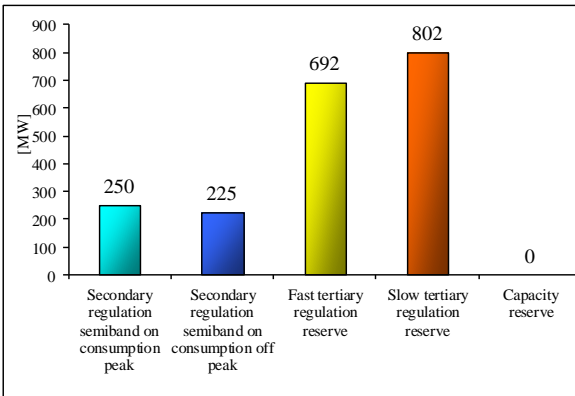
The average prices were calculated by deviding the total Ancillary Services to realized quantities

The network losses were contracted with SN Nuclearelectrica (C123/2017), Romgaz (C147/2017), Tinmar Energy SA (C167, C168/2017), Renovatio Trading (C228, C229, C230/2017), Monsson Trading (C235, C236, C237/2017), EDS (C274, C275, C276/2017), CE Oltenia (C256/2017).

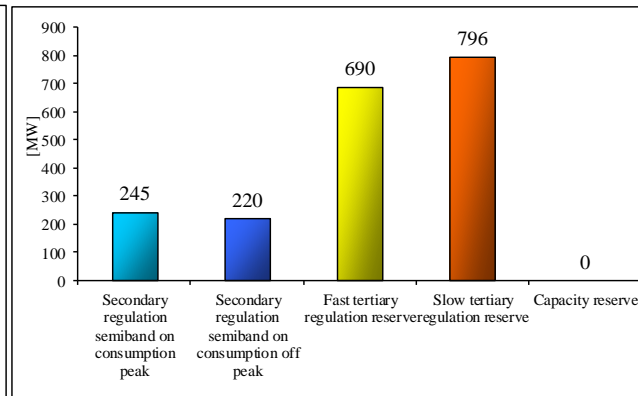
**Average requested quantities [hMW/h]**



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

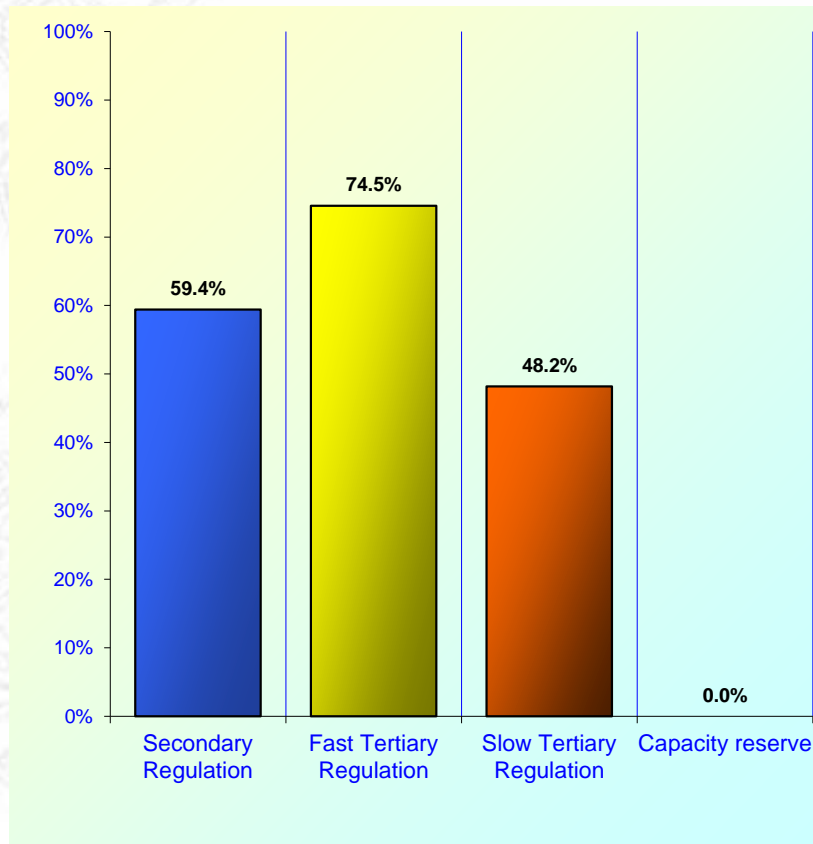


**Average realized quantities [hMW/h]**

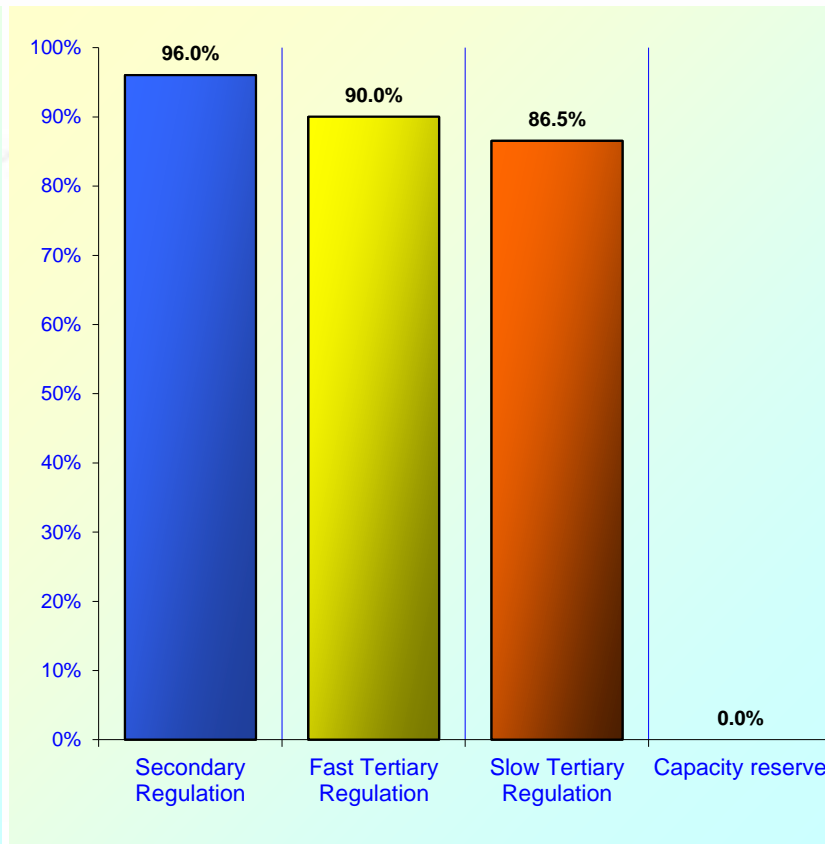


## Market share of the most significant Ancillary Services Market Participants

### C1 (%) on type of regulation



### C3 (%) on type of regulation



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