

MARKET MONITORING REPORT

Ancillary Services

May 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 (section Transparency).

General Remarks

- The contracts signed between the Ancillary System Services Suppliers and Transelectrica covered 99.99% from TSO's necessary volume as a result of the non-completion of the secondary regulation band requirement (lack of bidding).
- 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 SA, Hidroelectrica SA, SC Romgaz SA, Veolia Energie Prahova, Electrocentrale Galati, Electrocentrale Bucuresti, SC Bepco 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), Tinmar Energy (C262/2017), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

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 *	68.77	24,272,740.00	379,900.00	23,892,840.00
Fast Tertiary Regulation	37.63	19,650,900.00	573,998.00	19,076,902.00
Slow Tertiary Regulation	15.81	8,253,936.00	51,703.00	8,202,233.00
Network losses	210.64	10,139,455.20	0.00	10,139,455.20
Network losses (total)**	210.84	16,799,903.86	0.00	16,799,903.86

Reserves	Quantities [hMW/h]				Available regulation energy		
	Requested	Contracted	Realized	Not realized	average	min	max
Secondary regulation on / off consumption peak *	*500,00/450,00	*500,00/449,56	*496,23/446,05	*3,77/3,51	*509,86/459,03	*450/394	*562/558
Fast Tertiary Regulation	691.67	691.67	681.37	10.30			
Slow Tertiary Regulation	700.00	700.00	697.31	2.69			
Network losses	65	65	65	0.00			

* Secondary regulation band on / off peak

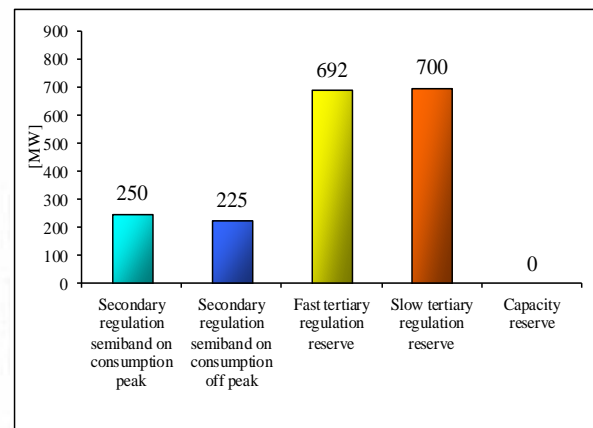
** Including contracted quantities on CMBC, DAM, BM and IDM

Note:

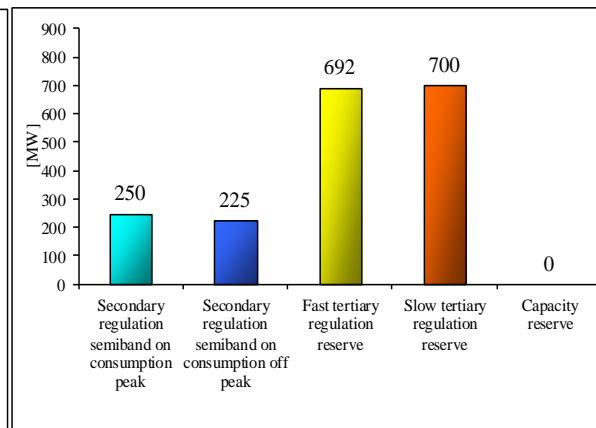
The average prices were calculated by deviding the total Ancillary Services to realized quantities

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), Tinmar Energy (C262/2017).

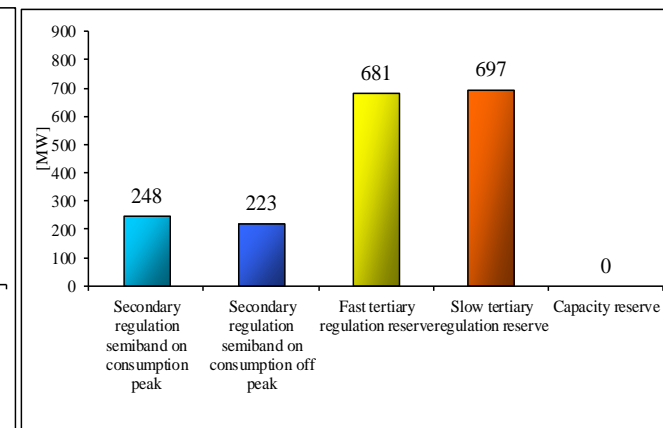
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]

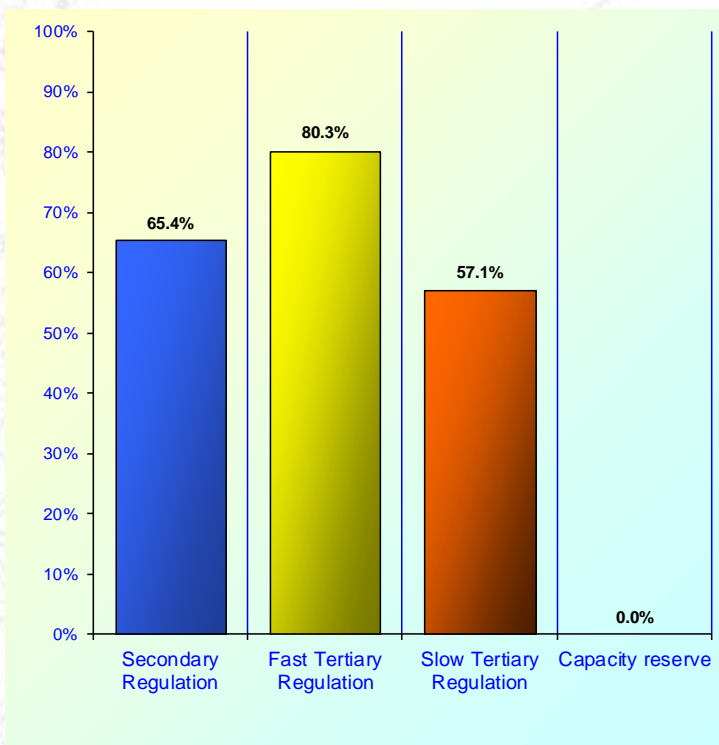


Average realized quantities [hMW/h]

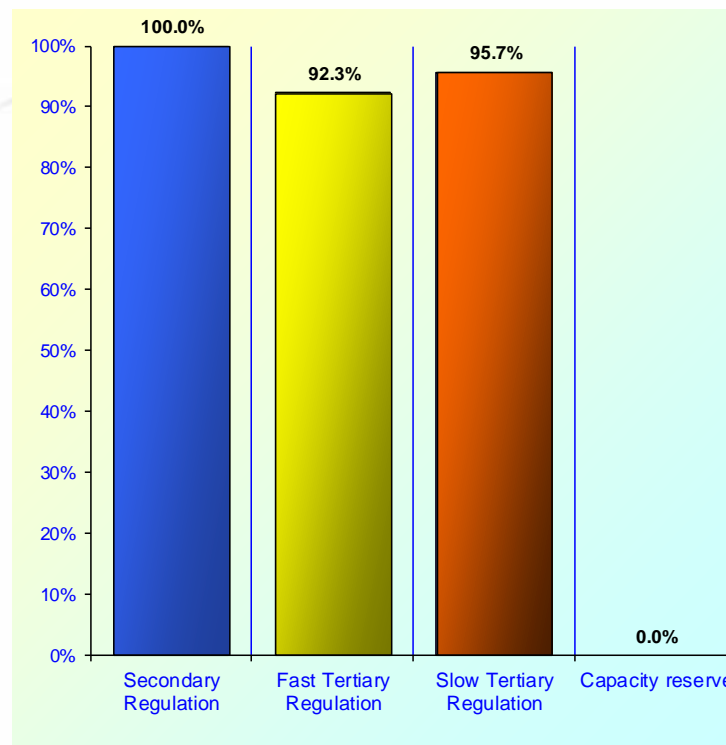


Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Email: Monitorizare.Piata@transelectrica.ro
Fax:021 3035630