

MARKET MONITORING REPORT

Ancillary Services

July 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 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, SC Bepco S.R.L., 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, C262/2017, C59, C60/2018), Renovatio Trading (C228, C229, C230/2017, C6, C7/2018), Monsson Trading (C235, C236, C237/2017), EDS (C274, C275, C276/2017, 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

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 *	79.87	28,024,000.00	88,000.00	27,936,000.00
Fast Tertiary Regulation	42.28	21,786,370.00	63,008.80	21,723,361.20
Slow Tertiary Regulation	14.58	7,591,032.00	0.00	7,591,032.00
Network losses	204.35	10,009,388.98	0.00	10,009,388.98
Network losses (total)**	202.11	16,258,366.43	0.00	16,258,366.43

Reserves	Quantities [hMW/h]				Available regulation energy			Participants	
	Requested	Contracted	Realized	Not realized	average	min	max	Number	H/HI
Secondary regulation on / off consumption peak *	*500,00/450,00	*500,00/450,00	*499,06/449,40	*0,94/0,60	*566,79/528,27	*440/450	*728/640	3	8939
Fast Tertiary Regulation	691.67	691.67	690.57	1.10				6	7858
Slow Tertiary Regulation	700.00	700.00	700.00	0.00				3	4183
Network losses	66	66	66	66				9	2013

* Secondary regulation band on /off peak

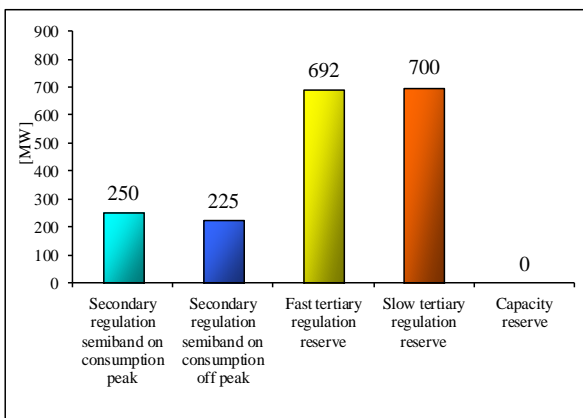
** Including contracted quantities on CMBC, DAM, BM and IDM

Note:

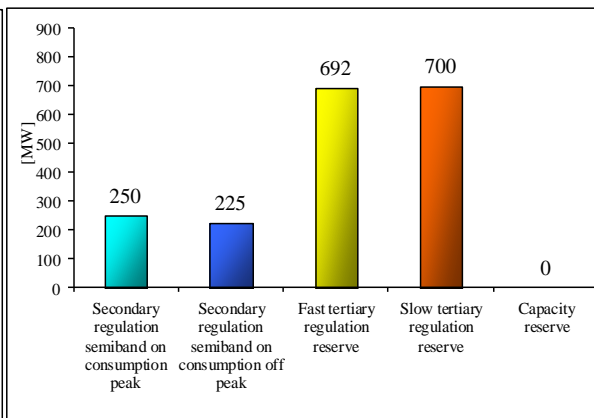
The average prices were calculated by deviding the total Ancillary Services to realized quantities

The network losses were contracted with SN Nuclearelectrica (C123/2017), Romgaz (C147/2017), Tinmar Energy SA (C167, C168, C262/2017, C59, C60/2018), Renovatio Trading (C228, C229, C230/2017, C6, C7/2018), Monsson Trading (C235, C236, C237/2017), EDS (C274, C275, C276/2017, C65, C66/2018), CE Oltenia (C256/2017), Next Energy Partners (C22, C23, C24/2018), Menarom P.E.C. (C63, C64/2018).

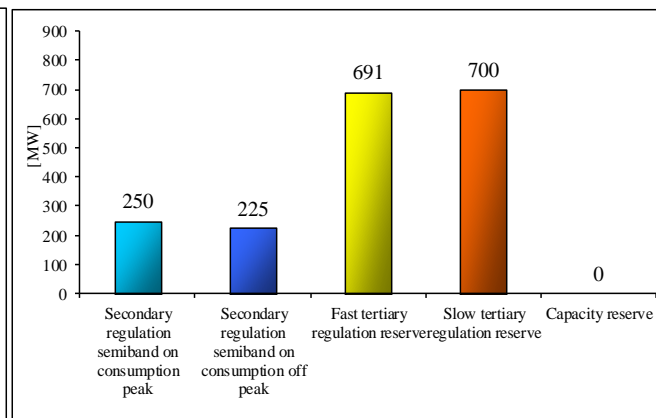
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]

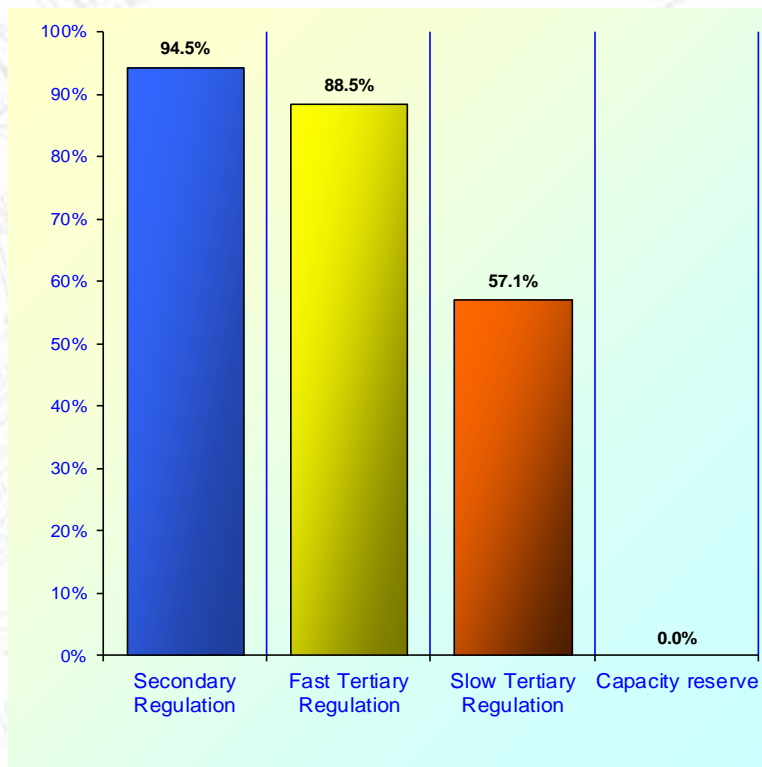


Average realized quantities [hMW/h]

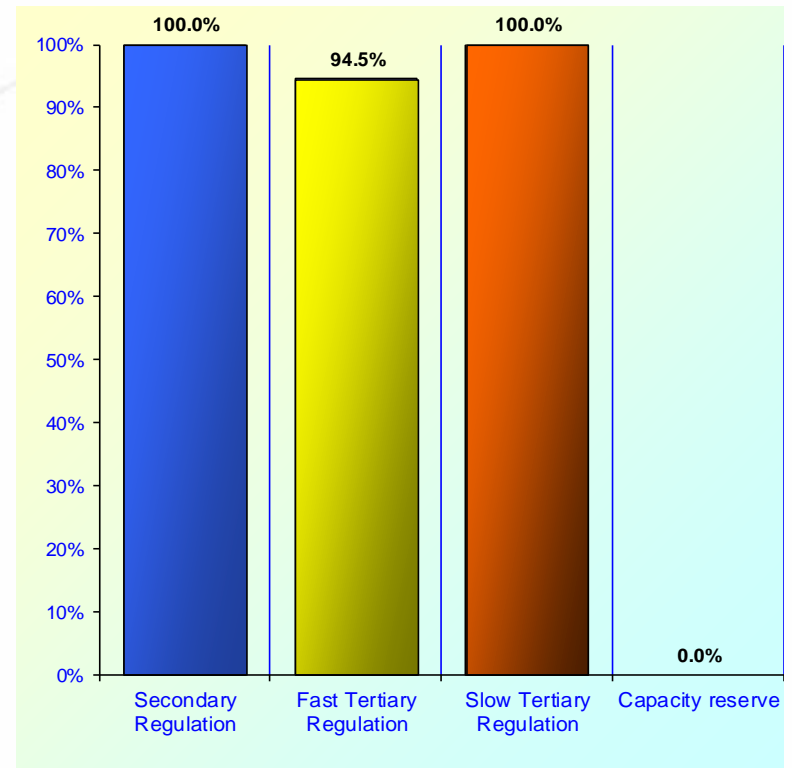


Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



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