



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Ancillary Services

December 2017



Transelectrica®

Societate Administrată în Sistem Dualist

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



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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 ANRE Decision no 907/22.06.2017 in compliance with HG 138/2013 and HG 941/2014, 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 01 July 2017 ÷ 31 December 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.
- 7 participants have supplied Ancillary Services: CE Hunedoara S.A., CE Oltenia S.A., Hidroelectrica S.A., Romgaz S.A., Bepco S.A., Veolia Energie Iasi S.A., Electrocentrale Galati S.A.
- Transmission network losses have been contracted through CMBC market with: CE Oltenia (C101/2016), A Energy Ind (C235/2016), SN Nuclearelectrica (C123/2017), Menarom (C143/2017), Romgaz (C147/2017), Tinmar Energy SA (C167, 168/2017), Renovatio Trading (C244/2017), Absolute Energy (C243/2017), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

Ancillary Services



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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 *	65.54	23,460,775.20	973,656.61	22,487,118.59
Fast Tertiary Regulation	37.70	19,608,702.40	418,325.60	19,190,376.80
Slow Tertiary Regulation	22.36	11,765,616.00	249,480.00	11,516,136.00
Network losses (CMBC)	177.52	8,649,812.40	0.00	8,649,812.40
Network losses (total)**	202.12	18,504,678.53	0.00	18,504,678.53

* Secondary regulation band on /off peak

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

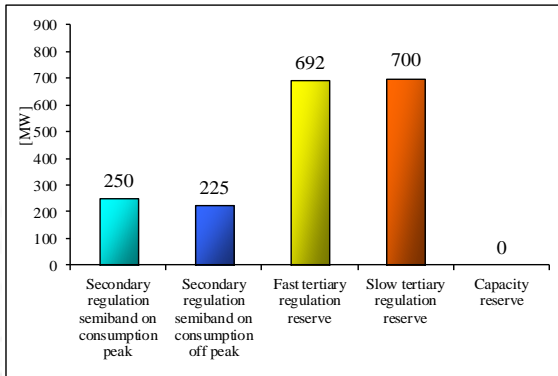
Note:

The average prices were calculated by deviding the total Ancillary Services to realized quantities
The network losses were contracted with CE Oltenia (C101/2016), A Energy Ind (C235/2016), SN Nuclearelectrica (C123/2017), Menarom (C143/2017), Romgaz (C147/2017), Tinmar Energy SA (C167, 168/2017), Renovatio Trading (C244/2017), Absolute Energy (C243/2017).

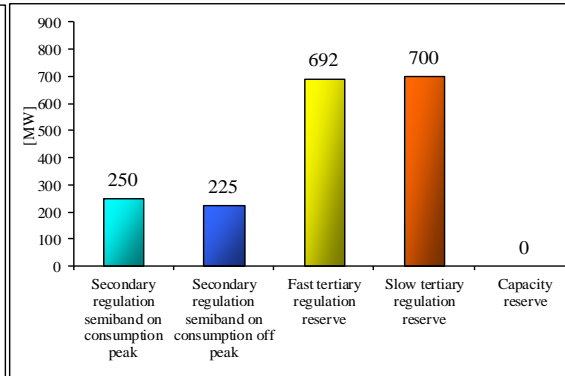
Quantities [hMW/h]

Requested	Reserves			Available regulation energy			Participants	
	Contracted	Realized	Not realized	average	min	max	Number	HHI
*500,00/450,00	*500,00/450,00	*488,53/441,59	*11,47/8,41	*511,22/478,47	*338/282	*570/564	4	4926
691.67	691.67	684.22	7.44				7	5995
700.00	700.00	692.38	7.62				4	4749
65	65	65	65				8	2274
0	0	0.00	0.00					

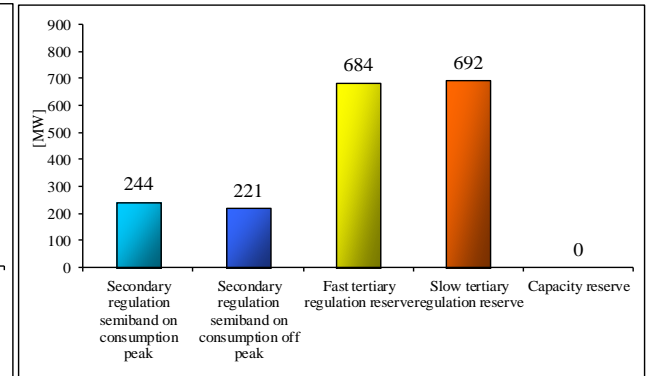
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



Average realized quantities [hMW/h]



Ancillary Services

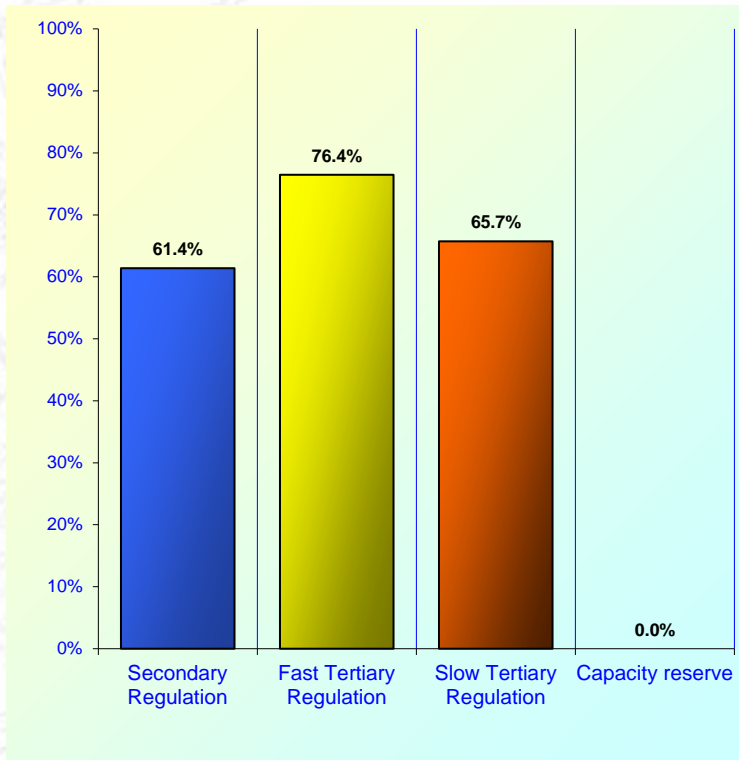


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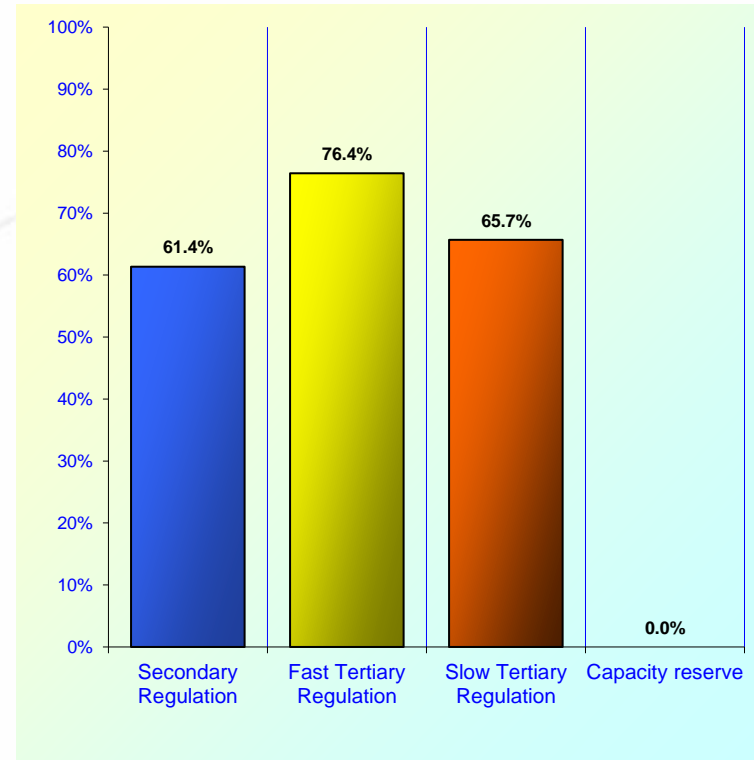
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Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation





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