



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Ancillary Services

November 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



Transelectrica®
Societate Administrată în Sistem Dualist

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).

Ancillary Services



Transelectrica®
Societate Administrată în Sistem Dualist

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.
- Unfavorable conditions on Ancillary System Services Market, characterized by extremely high prices due to the organized auctions compared to the prices considered in the approved tariff, have led to the need for reduction by 50 hMW/h of Secondary Band needed to be purchased for off-peak hours for time period 18.09.2017 – 14.11.2017 (starting date of Winter Programme). C.N.T.E.E. Transelectrica S.A. evaluated from a technical point of view the possibility of reduction of Ancillary System Services quantities to purchase, so that the quality of frequency-power regulation and safe operation of National Power Grid to not be affected. Safe operation of NPS was not endangered, energy corresponding to the uncontract quantity, being available for trading on the Energy Market. 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 SA, Hidroelectrica SA, Romgaz SA, Bepco, Electro Energy Sud, Veolia Energie Iasi, Electrocentrale Galati, Veolia Energie Prahova.
- Transmission network losses have been contracted through CMBC market with: CE Oltenia (C101/2016), A Energy Ind (C235/2016), S.N. Nuclearelectrica (C123/2017), Menarom (C143/2017), Romgaz (C147/2017), Tinmar Energy S.A. (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.

Public

Ancillary Services



Transelectrica®
Societate Administrată în Sistem Dualist

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 *	65.56	21,842,176.00	538,714.12	21,303,461.88
Fast Tertiary Regulation	38.21	19,301,196.00	540,075.70	18,761,120.30
Slow Tertiary Regulation	16.54	8,334,432.00	0.00	8,334,432.00
Network losses (CMBC)	177.68	8,400,012.00	0.00	8,400,012.00
Network losses (total)**	230.57	18,663,774.64	0.00	18,663,774.64

Reserves	Quantities [hMW/h]			Available regulation energy			Participants		
	Requested	Contracted	Realized	Not realized	average	min	max	Number	HHI
Secondary regulation on / off consumption peak *	*500,00/426,67	*500,00/426,67	*494,56/420,48	*5,44/6,19	*522,69/448,77	*450/344	*596/578	4	4732
Fast Tertiary Regulation	691.67	691.67	681.93	9.73				9	6052
Slow Tertiary Regulation	700.00	700.00	700.00	0.00				3	4987
Network losses (CMBC)	66	66	66	0.00				8	2262

* Secondary regulation band on / off peak

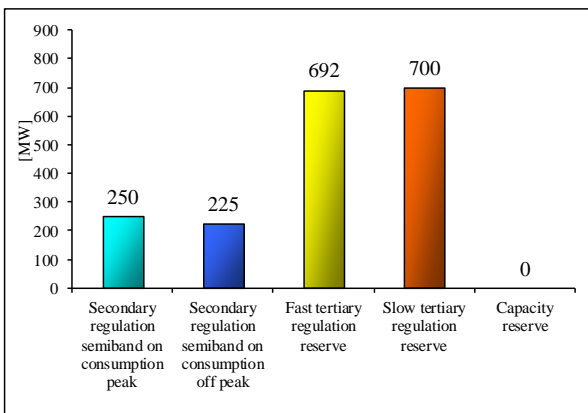
After a technical evaluation, in case of Secondary Reserve Regulation, requested quantities was reduced by TSO with 50 MW in off-peak hours, due to difficult conditions on Ancillary Services Market, characterized by extreme prices at organized auctions, compared to the prices taken in consideration by ANRE in approved tariff.

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

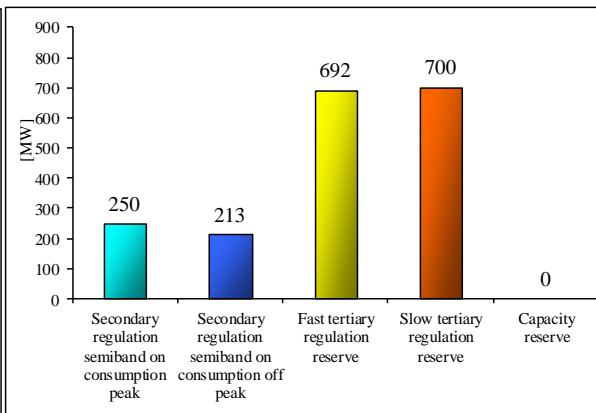
Note:

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).

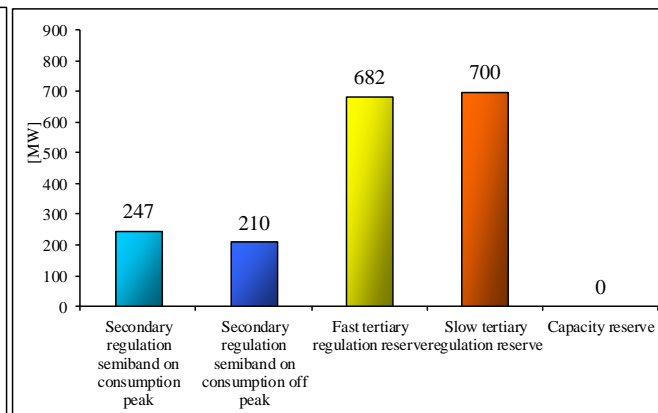
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



Average realized quantities [hMW/h]



Ancillary Services

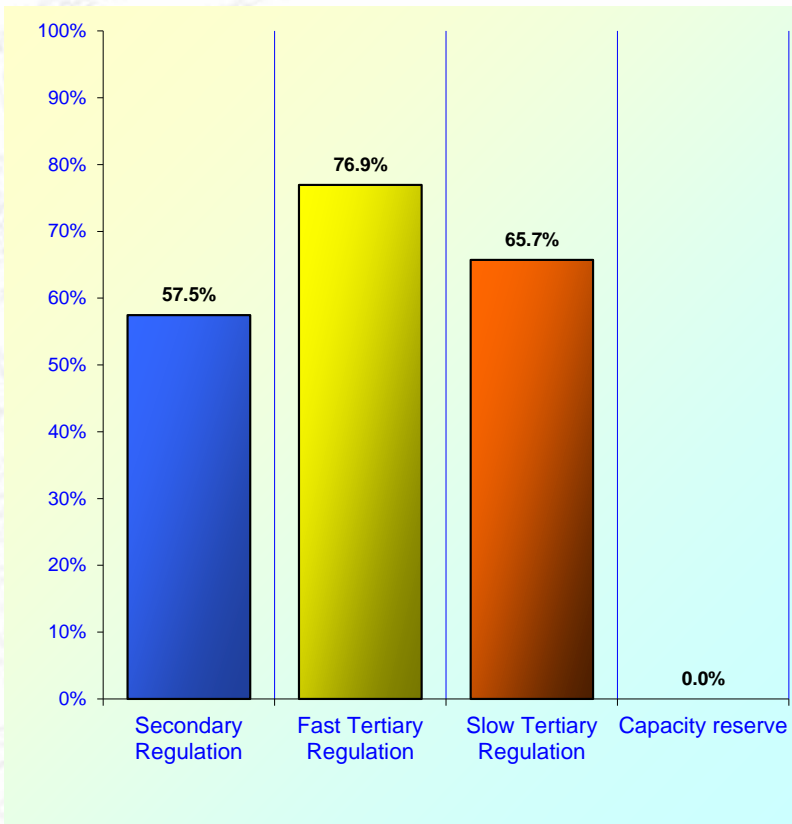


Transelectrica®

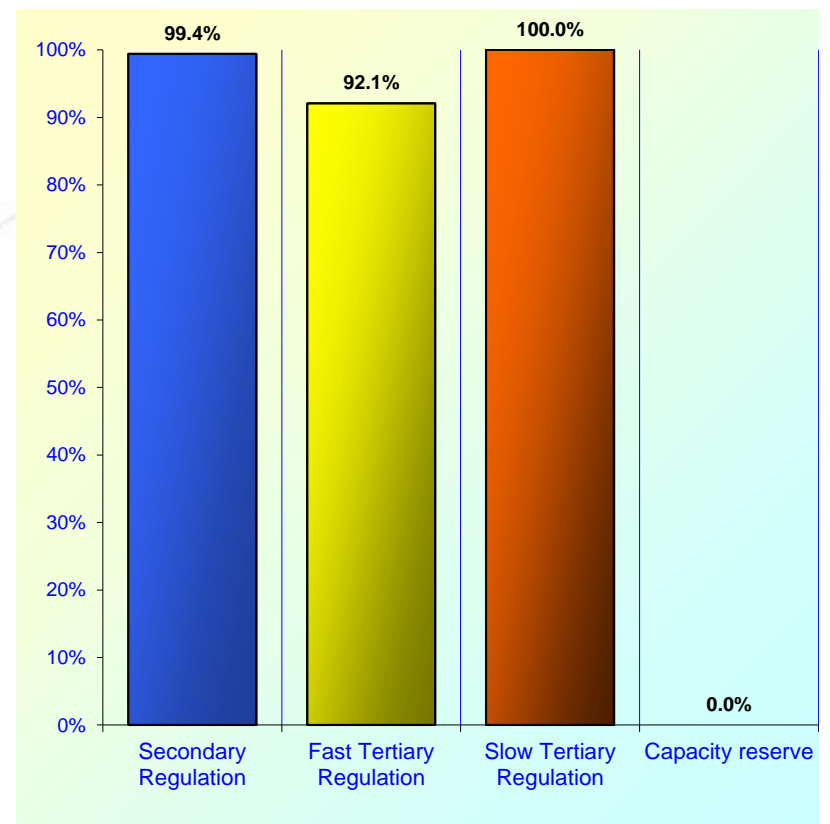
Societate Administrată în Sistem Dualist

Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Public



Transelectrica®
Societate Administrată în Sistem Dualist

Email: Monitorizare.Piata@transelectrica.ro

Fax: 021 3035630