



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Ancillary Services

December 2019



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.
- 10 participants have supplied Ancillary Services: CE Hunedoara S.A., CE Oltenia S.A., Hidroelectrica S.A., Romgaz S.A., Electrocentrale Galati, Bepco S.R.L., Electro Energy Sud, Electrocentrale Bucuresti S.A., OMV Petrom S.A., Veolia Energie Iasi.
- Transmission network losses have been contracted through CMBC market with: Hidroelectrica S.A. (C364, C365/2018), EDS (C399/2018), EFT Furnizare (C411/2018), Next Energy Partners (C352/2018), Monsson Trading (C354/2018), Entrex Services (C353/2018), SN Nuclearelectrica (C434/2018), CE Oltenia (C216, C217, C218/2018), total contracted quantity includes also the energy traded by Transelectrica on DAM, IDM and BM.

Ancillary Services



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 *	78.71	27,569,900.00	22,300.00	27,547,600.00
Fast Tertiary Regulation	48.73	25,079,000.00	37,850.00	25,041,150.00
Slow Tertiary Regulation	13.04	7,537,144.08	136.88	7,537,007.20
Network losses (CMBC)	267.52	11,942,167.20	0.00	11,942,167.20
Network losses (total)**	250.34	22,057,435.91	0.00	22,057,435.91

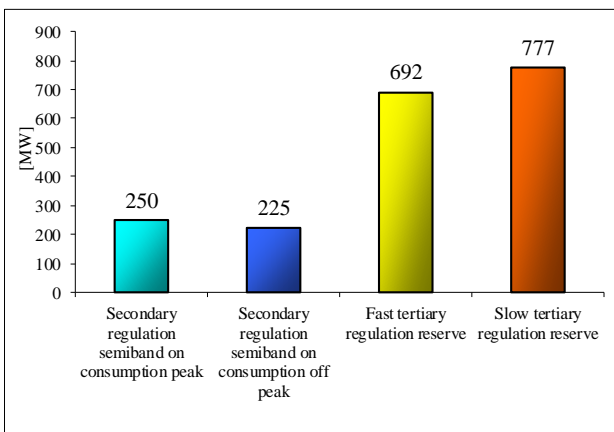
Quantities [hMW/h]

Requested	Reserves			Available regulation energy			Participants	
	Contracted	Realized	Not realized	average	min	max	Number	HHI
*500,00/450,00	*500,00/450,00	*499,35/449,79	*0,65/0,21	*545,78/501,95	*460/420	*760/680	4	5248
691.67	691.67	690.65	1.02				7	7326
777.00	777.00	776.99	0.01				4	3664
60	60	60	60				8	1944

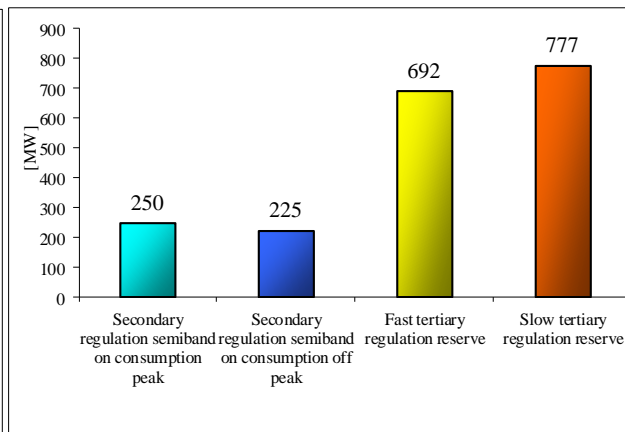
* Secondary regulation band on / off peak
 ** Including contracted quantities on CMBC, DAM, BM and IDM

Note:
 The average prices were calculated by deviding the total Ancillary Services to realized quantities
 The network losses were contracted with Hidroelectrica SA (C364, C365/2018), EFT Furnizare (C411/2018), Next Energy Partners (C352/2018), Monsson Trading (C354/2018), Entrex Services (C353/2018), SN Nuclearelectrica (C434/2018), CE Oltenia (C216, C217, C218/2018).

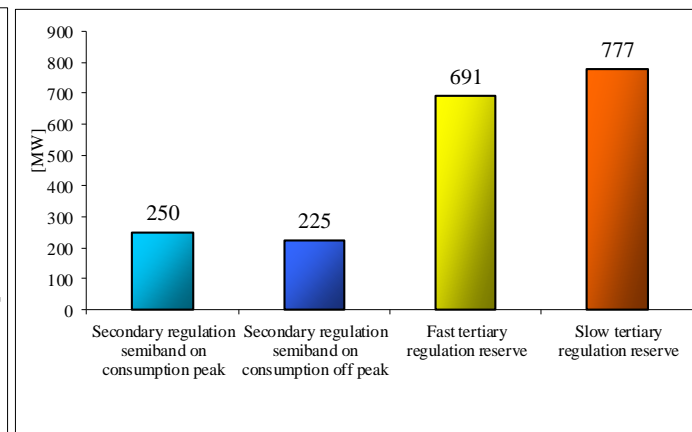
Average requested quantities [hMW/h]



Average contracted quantities [hMW/h]



Average realized quantities [hMW/h]



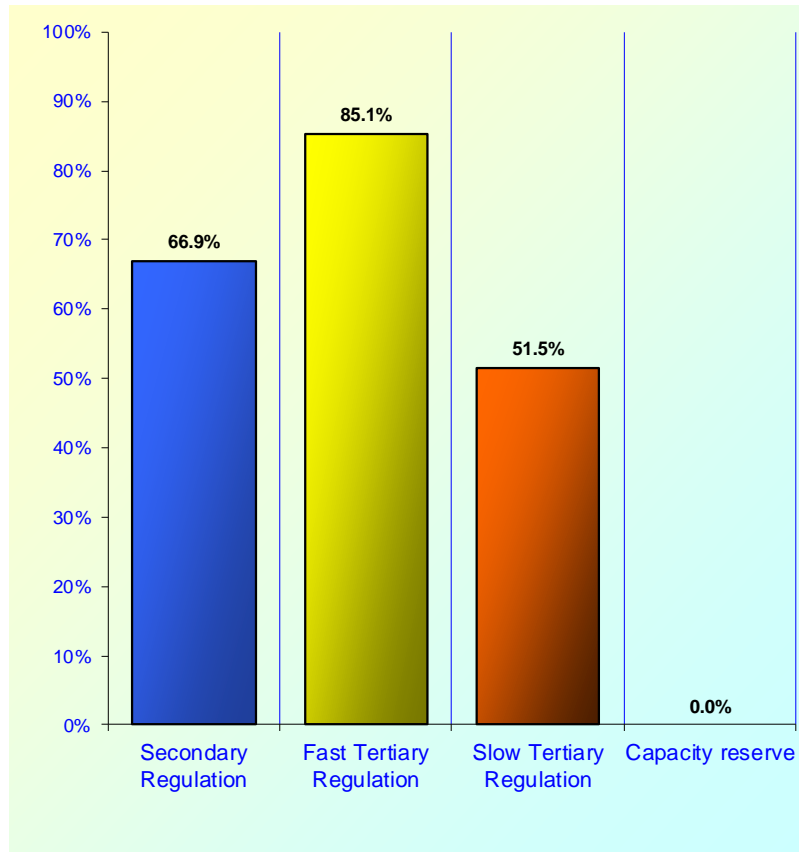
Ancillary Services



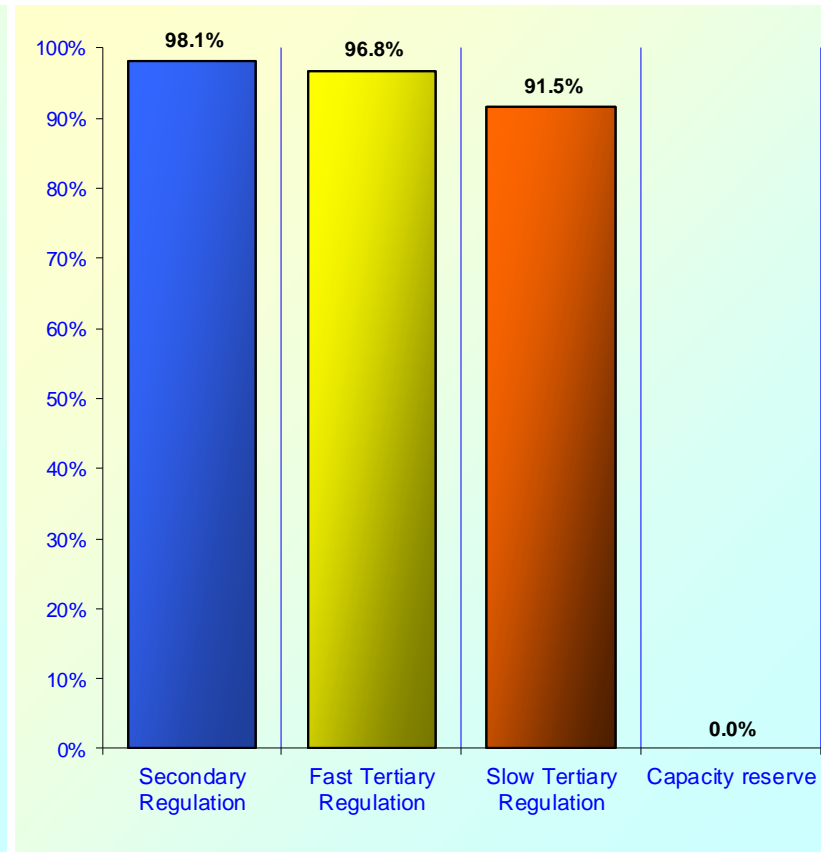
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Market share of the most significant Ancillary Services Market Participants

C1 (%) on type of regulation



C3 (%) on type of regulation



Public



Persoane de contact

Email: Monitorizare.Piata@transelectrica.ro

Fax: 021 3035630