



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

April 2017



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

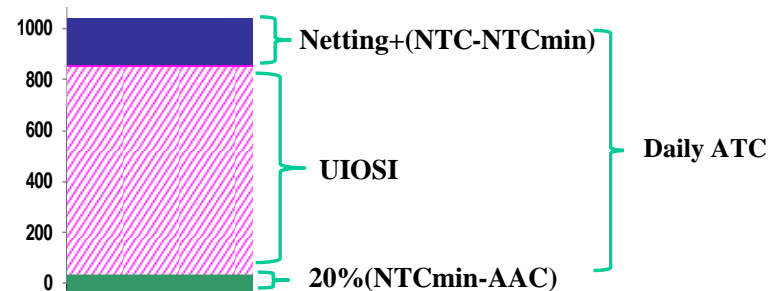


Transelectrica®
Societate Administrată în Sistem Dualist

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) is published on the website **www.transelectrica.ro**

- According to the agreements between Transelectrica and neighbors for year 2017 :
 - ✓ on the Bulgarian border, the bilateral coordinated allocation is done for 100% of total capacity by Transelectrica for long term auctions and by ESO EAD for daily auctions. The “netting” principle is applied to daily allocation, Starting with 01.01.2015, intraday auctions are no longer organized on the Bulgarian border, since the Bulgarian market rules are not allowing intraday cross-border exchanges, modifications of the notified schedules after 15:30 (CET) in D-1 for day D are prohibited.
 - ✓ on the Hungarian border, the bilateral coordinated allocation, is done for 100% of total capacity by MAVIR for long term auctions (based on Allocation Rules for Forward Capacity Allocation (HAR) and border specific Annex) and by Transelectrica for intra-day auctions. Implicit daily allocations are held since the CZ-SK-HU-RO day-ahead market coupling. In the event of decoupling, MAVIR is in charge with the explicit daily auctions (shadow auctions) for RO-HU border. The “netting” is applied to daily and intra-day allocation.
 - ✓ on the Serbian border, the bilateral coordinated allocation, is done for 100% of total capacity by EMS (Serbia) for daily auctions and by Transelectrica for long term daily and intra-day auctions. The “netting” is applied to daily and intra-day allocation. Starting with 01.01.2017 it was introduced UIOSI („ use it or sell it”) principle.
 - ✓ due to consultation with interconnection partners and regulators and taking into account auction participant opinions, on the Hungarian and Bulgarian borders it was agreed:
 - ✓ reservation of a percentage of interconnection capacity for short term auction, offered capacity being calculated as 80% of the minimum of available capacities of all periods of the month;
 - ✓ introduction of UIOSI („ use it or sell it”) principle.





Transelectrica®

Societate Administrată în Sistem Dualist

- Transelectrica's auctions are held on Damas platform, with euro currency trading.
- Long term auction results on the Hungarian border and daily auction results on the Bulgarian and Serbian borders (auction prices, allocated capacities) are provided by the respective TSO's.
- The intra-day allocation is done in six auction sessions for time intervals: 00:00-04:00, 04:00-08:00, 08:00-12:00, 12:00-16:00, 16:00-20:00, 20:00-00:00 CET.
- Usage of allocated capacity on Ukrainian and Moldavian border is restricted by Ukrainian TSO agreement and respectively by the approval of the distribution operator of the passive consumption islands.
- In April, auctions were held as:
 - import Hungary: 01 – 02.04.2017; 03 – 06.04.2017; 07.04.2017; 08 – 11.04.2017; 12 – 14.04.2017; 15 – 30.04.2017;
 - export Hungary*: 01 – 30.04.2017;
 - import/export Bulgaria*: 01 – 30.04.2017;
 - import Serbia: 01 – 02.04.2017; 03 – 06.04.2017; 07.04.2017; 08 – 11.04.2017; 12 – 14.04.2017; 15 – 30.04.2017;
 - export Serbia: 01 – 02.04.2017; 03 – 06.04.2017; 07 – 09.04.2017; 10 – 16.04.2017; 17 – 30.04.2017;
 - import Ukraine: 01 – 02.04.2017; 03.04.2017; 04 – 06.04.2017; 07 – 09.04.2017; 10.04.2017; 11.04.2017; 15 – 18.04.2017; 19.04.2017; 20 – 21.04.2017; 22.04.2017; 23.04.2017; 24 – 28.04.2017; 29 – 30.04.2017.
- In April there were no auctions held on import direction from Moldavia. On export direction to Ukraine, ATC was zero at monthly auction during the periods 01 – 11.04.2017 and 15 – 30.04.2017 due to full allocation of capacity at yearly auction. Between 12 – 14.04.2017, the 400 kV OHL Rosiori – Mukacevo was out of operation for planned maintenance program, so transfer capacity was not available on the Ukrainian border.

* according to the allocation rules, monthly offered capacity was calculated taking into account the minimum of NTC's monthly value.



Transelectrica®

Societate Administrată în Sistem Dualist

- Due to lack of request from participants, there was capacity not allocated at monthly auction as it follows:
 - on import direction from Serbia:
 - 270 MW during the periods 03 – 06.04.2017; 15 – 30.04.2017;
 - 170 MW during the period 07.04.2017;
 - 240 MW during the period 08 – 11.04.2017;
 - on import direction from Ukraine:
 - 75 MW during the period 03.04.2017;

Monthly auction Results of 01 – 30 April 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
<i>01 - 02 April 2017</i>	2.34	600	500	150	350	0	120	1407	120	470
<i>03 - 11 April 2017</i>	2.34	700	600	250	350	0	120	1407	120	470
<i>12 - 13 April 2017</i>	2.34	750	650	300	350	0	120	1407	120	470
<i>14 - 18 April 2017</i>	2.34	700	600	250	350	0	120	1407	120	470
<i>19 - 22 April 2017</i>	2.34	600	500	150	350	0	120	1407	120	470
<i>23 April 2017</i>	2.34	700	600	250	350	0	120	1407	120	470
<i>24 - 30 April 2017</i>	2.34	650	550	200	350	0	120	1407	120	470
Hungary import										
<i>01 - 02 April 2017</i>	0.13	450	350	1	349	0	0	1354	0	349
<i>03 - 06 April 2017</i>	0.13	800	700	351	349	0	280	1354	279	628
<i>07 April 2017</i>	0.13	700	600	251	349	0	200	1354	199	548
<i>08 - 11 April 2017</i>	0.13	800	700	351	349	0	280	1354	279	628
<i>12 - 14 April 2017</i>	0.13	450	350	1	349	0	0	1354	0	349
<i>15 - 30 April 2017</i>	0.13	800	700	351	349	0	280	1354	279	628
Bulgaria export										
<i>01 - 30 April 2017</i>	1.85	350	250	150	100	-	120	468	120	220
Bulgaria import										
<i>01 - 30 April 2017</i>	0.27	400	300	200	100	-	160	461	160	260

* final rights = monthly allocated capacity + yearly allocated capacity after withdrawals.



Transelectrica®

Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Monthly auction Results of 01 – 30 April 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 02 April 2017	1.75	600	500	300	200	-	300	955	300	500
03 - 06 April 2017	1.50	700	600	400	200	-	400	1055	400	600
07 - 09 April 2017	1.63	650	550	350	200	-	350	1045	350	550
10 - 16 April 2017	1.51	700	600	400	200	-	400	1025	400	600
17 - 30 April 2017	1.67	600	500	300	200	-	300	1005	300	500
Serbia import										
01 - 02 April 2017	0.01	500	400	250	150	-	250	299	250	400
03 - 06 April 2017	0.00	900	800	650	150	-	650	380	380	530
07 April 2017	0.00	800	700	550	150	-	550	380	380	530
08 - 11 April 2017	0.00	900	800	650	150	-	650	410	410	560
12 - 14 April 2017	0.01	550	450	300	150	-	300	370	300	450
15 - 30 April 2017	0.00	900	800	650	150	-	650	380	380	530
Ukraine export										
01 - 11 April 2017	-	150	50	0	50	-	0	-	-	50
12 - 14 April 2017	-	0	0	-	-	-	-	-	-	-
15 - 30 April 2017	-	150	50	0	50	-	0	-	-	50
Ukraine import										
01 - 02 April 2017	-	150	50	0	50	-	0	-	-	50
03 April 2017	0.00	650	550	500	50	-	500	425	425	475
04 - 06 April 2017	0.01	550	450	400	50	-	400	415	400	450
07 - 09 April 2017	-	150	50	0	50	-	0	-	-	50
10 April 2017	0.01	450	350	300	50	-	300	365	300	350
11 April 2017	0.01	350	250	200	50	-	200	315	200	250
12 - 14 April 2017	-	0	0	-	-	-	-	-	-	-
15 - 18 April 2017	0.01	500	400	350	50	-	350	365	350	400
19 April 2017	-	150	50	0	50	-	0	-	-	50
20 - 21 April 2017	0.01	450	350	300	50	-	300	340	300	350
22 April 2017	0.01	300	200	150	50	-	150	240	150	200
23 April 2017	0.01	450	350	300	50	-	300	340	300	350
24 - 28 April 2017	0.02	250	150	100	50	-	100	190	100	150
29 - 30 April 2017	0.01	450	350	300	50	-	300	340	300	350
Moldavia export										
01 - 30 April 2017	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 30 April 2017	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti										
01 - 30 April 2017	-	-	-	-	-	-	-	-	-	-
RO_Costesti										
01 - 30 April 2017	-	-	-	-	-	-	-	-	-	-
RO_Cioara										
01 - 30 April 2017	-	-	-	-	-	-	-	-	-	-

- final rights = monthly allocated capacity + yearly allocated capacity after withdrawals.

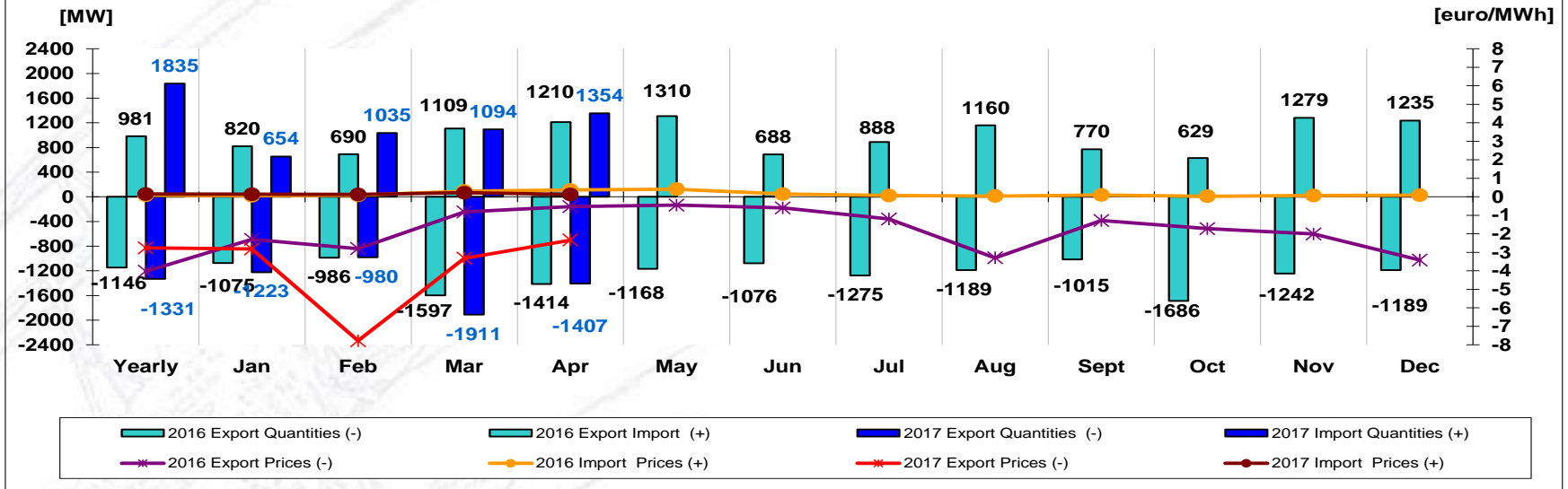


Transelectrica®

Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Hungarian border



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Hungary export	2.76	2.82	7.78	3.32	2.34								
Hungary import	0.15	0.14	0.13	0.22	0.13								

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Hungary export	4.03	2.30	2.80	0.82	0.53	0.45	0.60	1.20	3.30	1.28	1.72	2.01	3.42
Hungary import	0.08	0.06	0.08	0.31	0.37	0.41	0.15	0.07	0.04	0.10	0.03	0.07	0.09

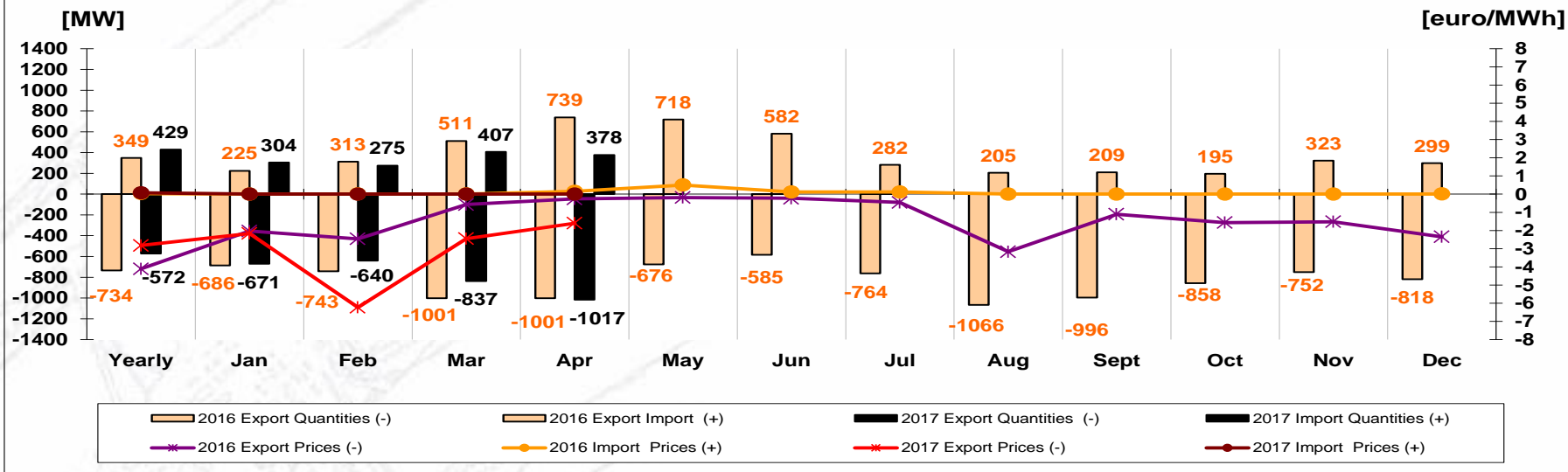
- Compared with previous year, in April 2017 the auction price increased while offered capacity was lower and capacity request was comparable. In April 2017 monthly auction price was still low on import direction.



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Serbian border



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Serbia export	2.82	2.16	6.23	2.45	1.60								
Serbia import	0.07	0.00	0.00	0.00	0.00								

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Serbia export	4.11	2.03	2.46	0.57	0.26	0.19	0.23	0.46	3.17	1.11	1.56	1.52	2.34
Serbia import	0.03	0.00	0.01	0.01	0.15	0.50	0.12	0.12	0.00	0.00	0.00	0.00	0.01

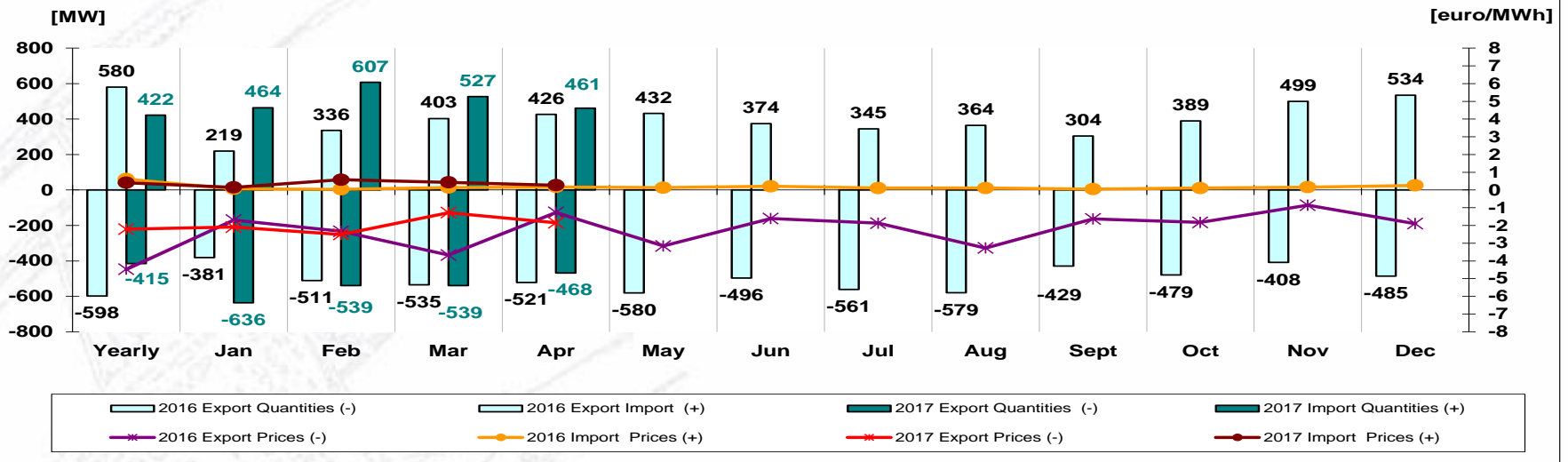
- Compared with the previous year, in April 2017 the auction price increased on export direction, while offered capacity and capacity request were not significantly varied. In April 2017 monthly auction price was zero on import direction.



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Bulgarian border



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Bulgaria export	2.21	2.09	2.51	1.28	1.85								
Bulgaria import	0.41	0.15	0.58	0.43	0.27								

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Bulgaria export	4.47	1.70	2.33	3.67	1.27	3.16	1.61	1.87	3.27	1.63	1.83	0.86	1.90
Bulgaria import	0.62	0.06	0.04	0.14	0.17	0.13	0.21	0.11	0.11	0.05	0.11	0.16	0.26

- Compared with the previous year, in April 2017 the auction price slightly increased on export direction, while offered capacity and capacity request were lower. Monthly auction prices were low on import direction.

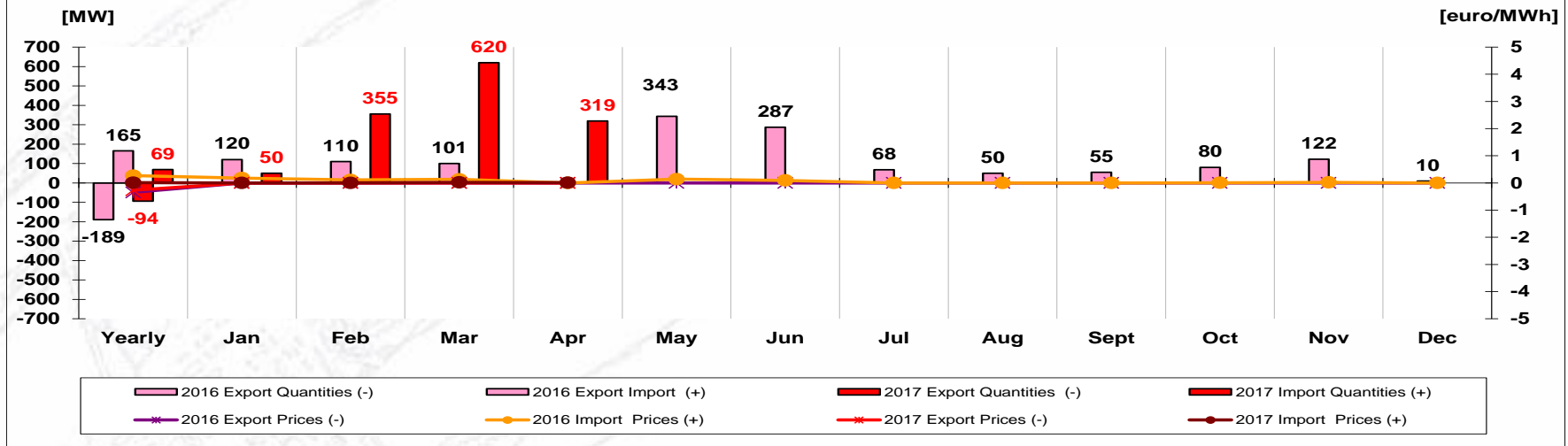
Public

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

**Weighted average of requested capacities correlated with auction clearing price
(weighted with allocated capacities) on Ukrainian border**



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Ukraine export	0.27	-	-	-	-								
Ukraine import	0.01	0.00	0.002	0.02	0.01								

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Ukraine export	0.35	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine import	0.27	0.18	0.11	0.13	-	0.14	0.09	0.00	0.00	0.00	0.01	0.02	0.00

- Compared with the previous year, in April 2017 capacity request increased on import direction, while auction price was still low. On export direction offered capacity was zero due to full allocation of capacity at yearly auction.

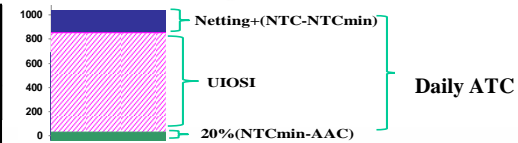
Market for Allocation of Cross-Border Capacities



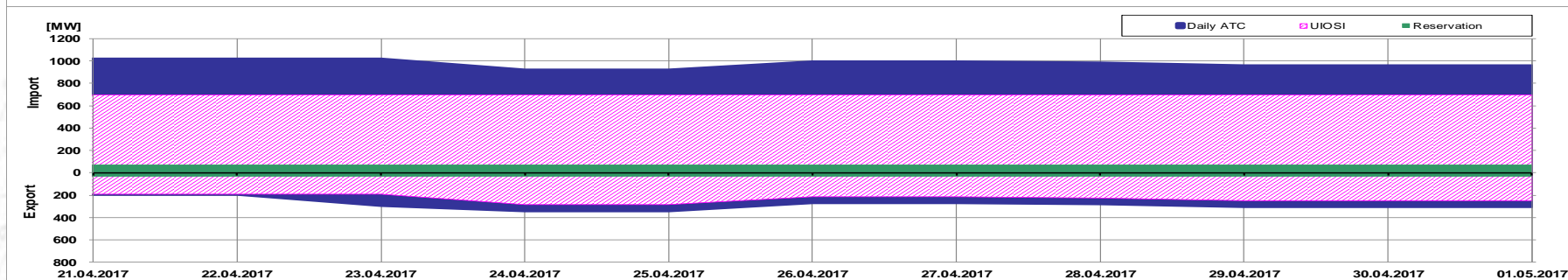
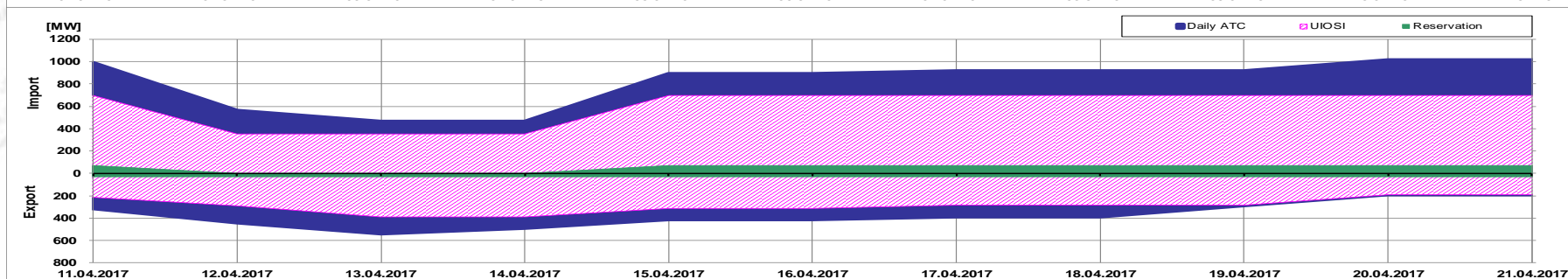
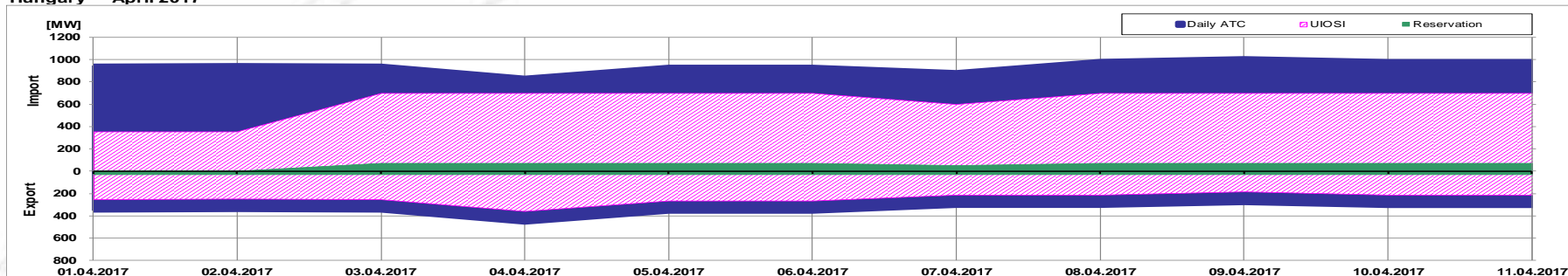
Transelectrica[®]
Societate Administrată în Sistem Dualist

Daily implicit Auctions on Romanian – Hungarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
30	59	229	579



Hungary April 17



Public

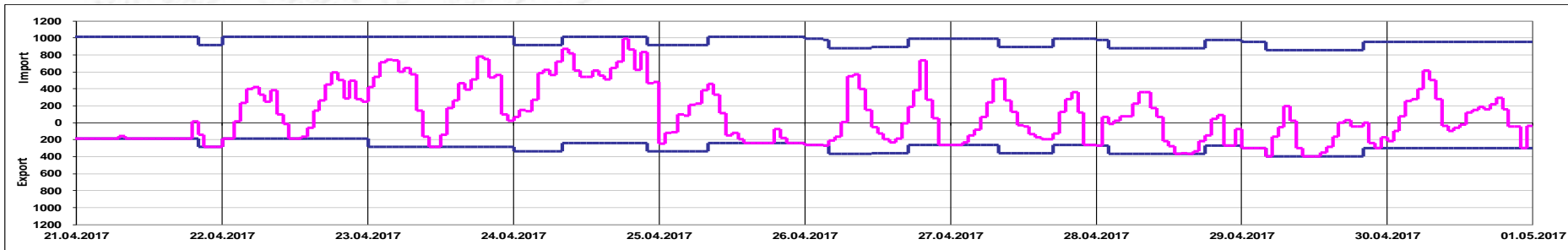
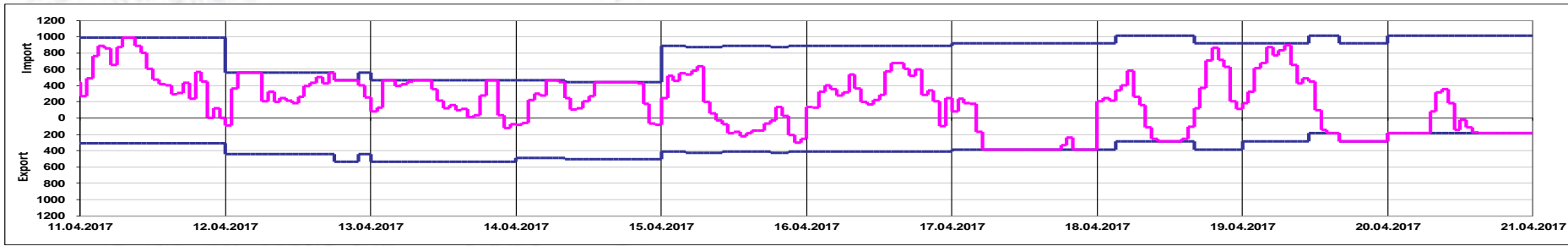
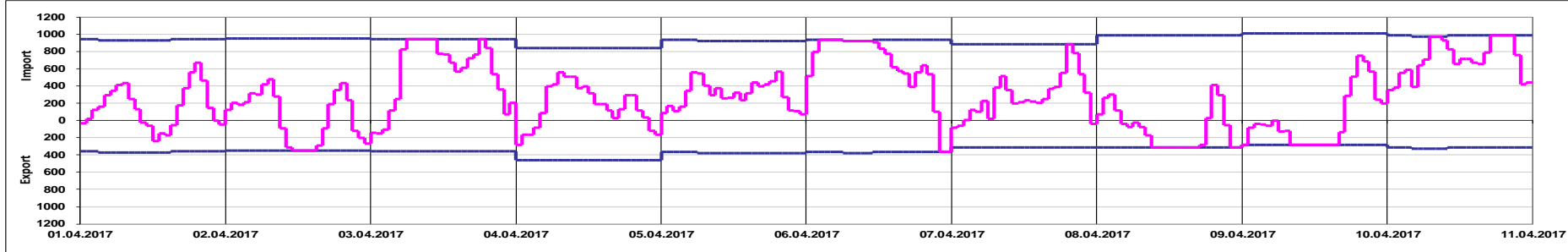


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Hungary April 2017



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public



Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Transelectrica®

Societate Administrată în Sistem Dualist

DAM Prices RO [Euro/MWh]

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	34.43	30.59	27.49	27.57	27.70	30.22	29.56	34.44	41.37	41.37	39.16	35.36	29.34	27.20	25.27	25.84	27.60	30.20	35.90	48.93	49.36	41.03	37.53	33.03	49.36
2	28.53	26.08	24.18	23.35	24.04	25.45	23.08	24.61	27.58	28.44	27.91	24.61	21.83	17.58	17.14	18.32	20.07	26.31	31.91	41.28	41.05	36.26	36.17	29.93	41.28
3	29.09	29.22	28.34	28.13	29.01	32.50	46.89	54.93	58.67	51.65	47.46	44.17	41.92	40.25	40.29	41.06	39.88	44.01	48.34	51.64	51.64	49.44	43.95	40.65	58.67
4	39.92	33.72	31.10	30.76	30.93	39.04	52.73	59.99	61.52	58.67	55.06	49.98	49.98	49.93	48.44	49.60	47.46	48.55	49.44	53.65	57.12	50.04	43.95	39.09	61.52
5	39.78	33.39	31.25	31.06	32.39	40.81	50.98	63.73	68.13	65.90	63.30	61.47	59.91	58.90	53.41	52.53	50.97	52.36	52.75	63.30	64.83	54.94	49.43	43.20	68.13
6	33.44	30.58	29.04	29.04	33.44	44.50	54.56	63.14	63.80	63.36	60.06	52.64	51.27	46.95	47.52	47.18	45.22	41.95	46.08	60.50	58.93	40.70	33.44	30.58	63.80
7	30.61	26.86	22.46	21.54	26.20	30.83	37.94	48.09	49.69	47.05	44.04	40.79	38.46	36.95	36.85	37.43	41.22	43.24	46.97	55.27	55.37	47.97	42.67	37.69	55.37
8	41.70	33.80	30.60	30.63	30.60	32.00	32.98	38.13	39.39	33.80	17.23	8.84	5.52	5.74	9.28	17.23	28.28	38.06	42.69	55.02	56.39	46.90	37.05	29.38	56.39
9	33.82	27.61	25.52	26.30	26.36	26.20	25.63	26.30	22.10	11.49	6.63	4.86	4.42	4.42	5.53	13.70	20.58	28.29	37.05	51.98	57.42	48.94	46.20	42.63	57.42
10	29.40	29.09	26.30	26.30	34.48	38.99	44.50	52.61	55.96	45.61	41.56	41.56	42.64	42.68	42.65	42.65	42.68	41.56	54.91	60.79	60.79	52.06	45.27	42.70	60.79
11	37.80	34.26	31.16	29.18	31.88	37.65	46.32	57.47	57.47	47.65	44.35	42.03	41.97	42.00	43.09	43.35	43.29	41.67	43.11	50.08	53.93	45.92	44.21	42.85	57.47
12	38.39	34.33	34.33	34.33	34.33	34.33	39.71	44.70	45.32	44.57	44.13	43.08	44.29	45.74	45.59	46.51	43.01	45.93	52.63	64.23	60.91	52.21	45.57	40.97	64.23
13	39.25	34.34	29.47	30.97	34.34	38.93	45.43	57.83	57.61	51.86	47.14	44.93	45.42	41.65	38.90	41.00	41.48	43.03	42.29	50.13	54.03	45.96	42.04	41.67	57.83
14	41.62	34.28	28.53	26.98	26.98	31.62	34.28	37.04	41.88	43.16	39.48	36.58	34.28	34.28	34.28	34.28	36.54	41.58	44.23	60.82	52.73	41.09	40.28	37.48	60.82
15	34.31	29.05	27.03	26.34	26.34	26.00	28.81	40.37	42.75	42.05	42.66	40.46	37.18	35.04	34.31	34.31	34.78	34.31	34.31	40.68	47.31	40.06	31.43	27.00	47.31
16	22.11	20.83	15.92	11.06	9.29	8.84	7.40	11.05	17.24	18.79	19.51	18.10	17.69	16.92	16.96	17.06	18.09	23.86	28.30	40.02	47.54	40.63	40.63	34.27	47.54
17	34.27	28.91	24.76	21.83	20.57	17.69	6.63	8.84	8.84	3.10	1.11	1.11	1.11	1.11	1.11	2.65	7.96	17.69	26.20	29.70	33.61	26.31	19.90	26.31	34.27
18	26.03	25.37	23.28	22.19	23.23	27.95	36.97	44.94	45.76	44.50	37.14	34.27	34.27	34.35	34.93	37.14	38.96	42.62	43.46	54.93	60.80	48.03	43.91	43.61	60.80
19	37.83	34.27	31.95	31.39	33.61	37.42	46.57	52.09	58.11	57.48	48.35	44.22	47.50	44.22	38.95	36.04	34.27	34.27	34.27	40.65	37.14	28.52	17.24	11.50	58.11
20	16.60	12.17	13.72	17.21	18.15	31.42	41.60	52.50	53.73	51.99	57.54	57.76	52.23	45.59	39.83	34.30	34.30	34.30	34.30	41.83	37.18	30.76	26.33	18.15	57.76
21	24.73	19.87	17.67	18.11	24.73	31.36	34.23	47.90	34.23	34.23	33.56	31.36	29.15	28.26	26.94	24.73	28.26	33.56	34.23	47.97	54.91	34.23	34.23	31.36	54.91
22	26.87	26.87	25.09	22.07	26.21	28.19	34.36	46.25	52.86	59.02	54.18	41.40	37.00	38.92	38.67	41.24	46.25	50.45	56.82	61.72	65.01	52.61	45.95	34.36	65.01
23	43.61	34.33	33.37	33.45	33.45	34.33	33.45	34.33	41.67	44.42	36.97	34.33	34.33	24.65	22.45	24.65	34.33	38.03	51.71	63.82	65.80	55.52	45.00	36.01	65.80
24	29.00	26.19	25.67	25.20	25.55	34.11	47.94	60.52	62.48	60.23	57.66	60.03	60.52	51.94	46.50	47.84	51.94	56.78	60.52	66.04	69.32	60.52	50.84	45.87	69.32
25	43.48	39.61	35.09	34.33	35.93	46.43	49.67	63.82	63.16	55.50	44.06	40.39	39.27	38.35	34.33	33.45	31.25	33.45	34.33	46.37	50.68	31.25	28.39	26.19	63.82
26	26.25	26.91	28.45	30.66	33.52	38.63	49.09	53.99	59.34	56.25	49.70	48.77	49.74	47.06	48.41	48.52	48.94	50.07	50.52	56.13	63.96	56.25	50.92	44.77	63.96
27	34.70	33.59	32.61	32.36	34.19	41.55	47.98	54.81	54.43	47.93	49.09	46.77	45.47	43.35	41.83	42.39	43.14	44.20	47.07	51.93	57.02	49.10	43.36	34.70	57.02
28	34.62	32.95	31.15	30.82	31.98	37.04	44.30	52.76	64.10	63.56	50.74	49.00	46.13	41.75	40.27	37.04	41.84	41.46	39.39	43.01	50.71	37.95	33.51	30.25	64.10
29	28.48	26.28	26.28	28.48	28.48	28.59	30.80	33.07	37.10	44.21	40.82	36.83	34.67	34.09	31.35	28.26	28.26	32.43	37.10	53.61	55.20	40.82	34.67	33.08	55.20
30	26.07	23.02	21.62	20.70	21.62	21.62	20.29	28.24	37.06	41.47	38.38	37.06	33.20	27.23	25.08	25.08	28.24	35.80	37.50	45.94	52.50	41.77	33.56	26.25	52.50

Average 38.03 EUR/MWh

Public



Transelectrica®

Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Congestion Prices [Euro/MWh]

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
2	-	-	-	-	-	-	-	-	-	-	-	3.10	2.84	3.99	0.52	-	-	-	-	-	-	-	-	-	3.99
3	-	-	-	-	-	-	3.83	3.23	5.74	2.59	0.47	-	-	-	-	-	-	-	1.14	-	-	-	-	-	5.74
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	3.07	3.12	2.44	10.45	5.04	7.19	0.69	5.14	7.57	-	-	-	-	-	-	-	-	-	-	-	2.63	1.03	10.45
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.45	-	-	-	-	1.45
8	-	-	-	-	-	-	-	-	-	7.23	23.80	31.46	32.94	31.20	25.37	16.04	4.78	-	-	-	-	-	5.61	12.74	32.94
9	0.74	-	-	-	-	-	-	-	5.75	28.41	33.29	33.08	30.67	18.64	13.55	1.79	-	-	-	-	-	-	-	-	33.29
10	-	-	-	-	-	-	4.24	4.28	-	-	-	-	-	-	-	-	-	1.29	15.01	18.03	5.80	-	-	-	18.03
11	-	-	-	-	-	-	4.56	7.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.77
12	-	-	3.43	4.75	3.38	-	-	-	-	-	-	-	-	-	-	-	-	0.38	8.11	16.69	6.94	0.23	-	-	16.69
13	-	-	0.79	3.58	-	-	-	7.04	4.83	0.94	-	-	-	-	-	-	-	-	1.74	0.09	-	-	-	-	7.04
14	-	-	-	-	-	0.53	0.15	-	-	-	-	-	-	1.19	0.35	0.21	3.56	6.84	3.90	15.79	-	-	-	-	15.79
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
17	-	-	-	-	-	2.81	15.37	13.06	14.02	22.90	25.14	25.79	22.49	19.39	16.89	14.35	8.54	1.31	-	-	0.89	6.83	12.43	4.49	25.79
18	-	-	-	-	-	-	-	-	-	-	2.69	7.16	4.66	1.79	-	-	-	-	-	-	-	-	-	-	7.16
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	1.01	5.17	6.71	6.83	3.62	12.83	15.39	25.53	26.24	26.24
20	21.97	23.20	19.23	15.19	15.06	4.68	2.31	-	-	-	-	-	-	-	-	4.31	5.71	7.40	8.69	9.30	17.77	19.80	19.83	22.59	23.20
21	15.73	13.21	11.49	10.90	4.81	2.66	6.82	-	17.59	14.95	13.45	12.28	13.48	17.79	21.11	21.28	14.27	10.09	8.78	-	-	14.73	13.30	9.71	21.28
22	14.43	3.22	-	-	-	-	-	-	-	-	-	6.67	8.01	-	-	-	-	-	-	-	-	-	-	-	14.43
23	-	-	-	-	-	-	-	-	-	-	0.04	4.99	-	-	-	-	-	-	-	-	-	-	-	-	4.99
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.74	3.32	6.02	6.49	5.57	-	-	14.69	15.82	11.43	15.82
26	15.49	11.02	3.52	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.87	2.29	15.49
27	10.84	5.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	3.36	10.84
28	2.69	-	-	-	-	-	-	-	-	-	-	-	-	0.72	-	3.40	-	-	-	-	-	1.00	1.38	-	3.40
29	5.45	3.31	2.35	0.42	0.32	-	-	-	-	-	6.08	6.51	6.43	-	-	-	-	-	-	-	-	-	2.17	-	6.51
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.49	-	1.49

Average 9.02 EUR/MWh

Public

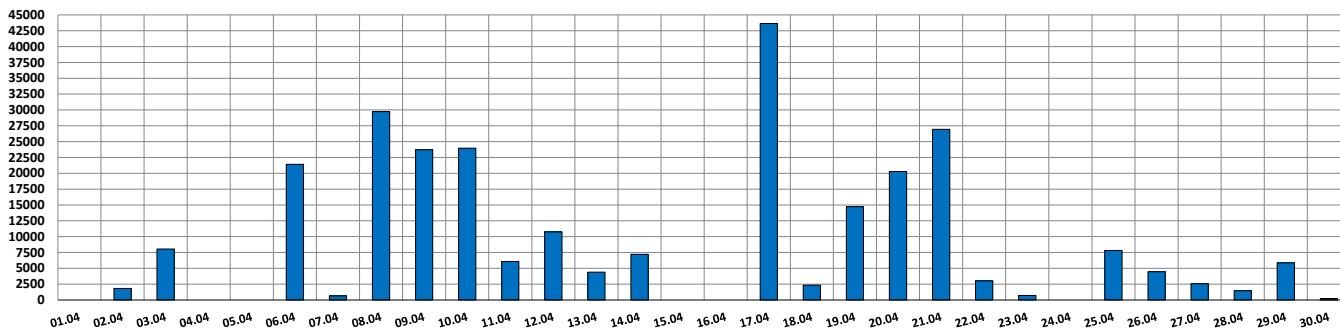


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Congestion Income RO



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.04	0	0
02.04	3637	1818
03.04	16099	8050
04.04	0	0
05.04	0	0
06.04	42837	21419
07.04	1289	645
08.04	59454	29727
09.04	47453	23727
10.04	47938	23969
11.04	12182	6091
12.04	21500	10750
13.04	8802	4401
14.04	14420	7210
15.04	0	0
16.04	0	0
17.04	87280	43640
18.04	4678	2339
19.04	29445	14723
20.04	40586	20293
21.04	53895	26947
22.04	6046	3023
23.04	1444	722
24.04	0	0
25.04	15661	7830
26.04	8943	4472
27.04	5122	2561
28.04	2903	1452
29.04	11708	5854
30.04	443	221
Total	543766	271883

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
380026	163739	267792	111152
543766		378945	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
164821	82411

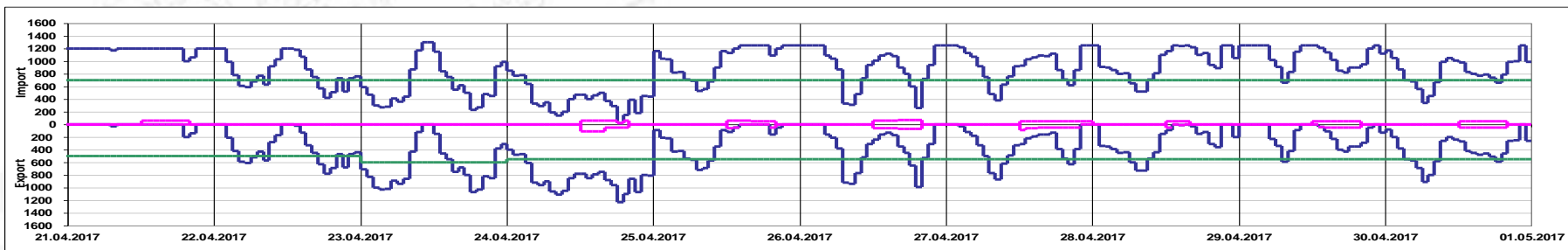
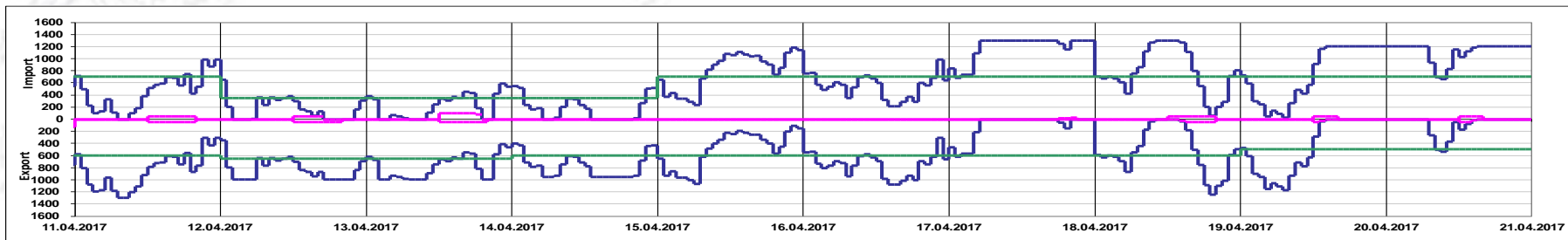
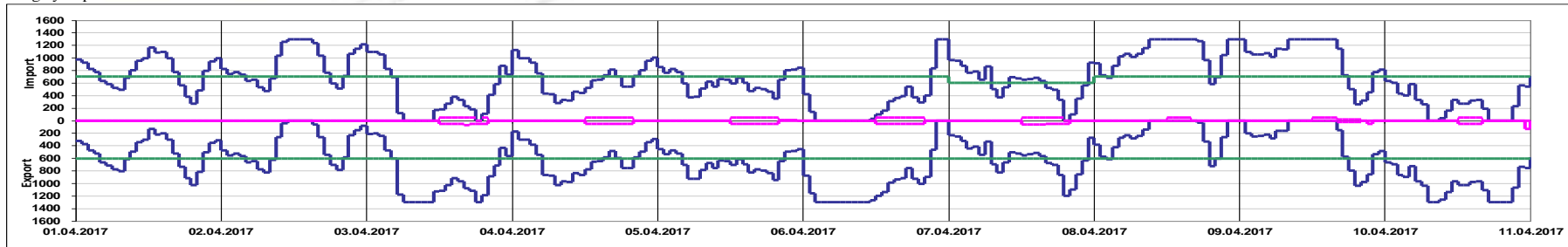


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Hungary April 2017



Offered Capacity on Intraday Auction Import (+) / Export (-) [MW]

Allocated Capacity on Intraday Auction Import (+) / Export (-) [MW]

Net Transfer Capacity (NTC) Import (+) / Export (-) [MW]

Public



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	-	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	0.00
22	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-	-	-	-	-	-	0.00	0.00	-	-	-	0.01
26	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
29	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hungary April 2017

Public



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Auction Price [Euro/MWh] - Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00
13	0.00	0.00	-	-	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

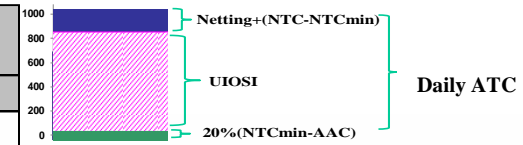
Hungary April 2017

Market for Allocation of Cross-Border Capacities

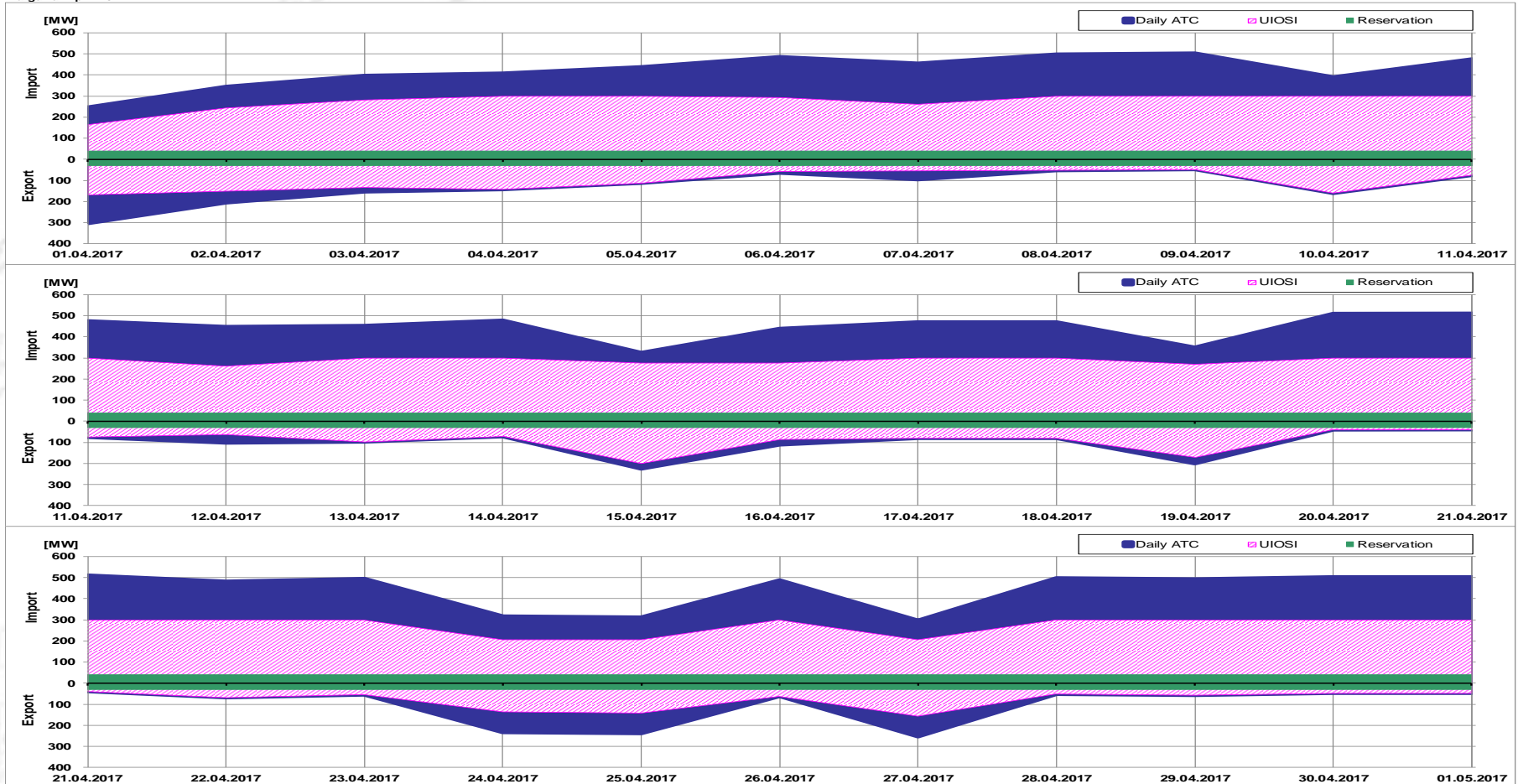


Daily Auctions on Romanian – Bulgarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
30	40	79	217



Bulgaria April 2017

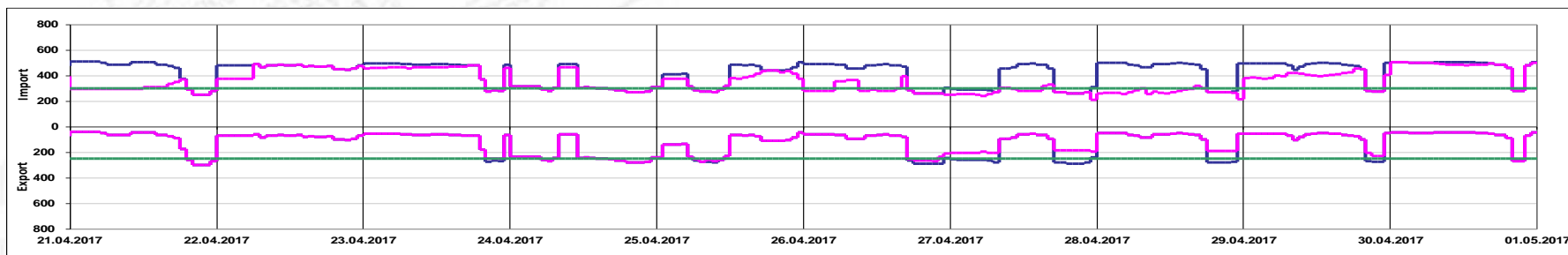
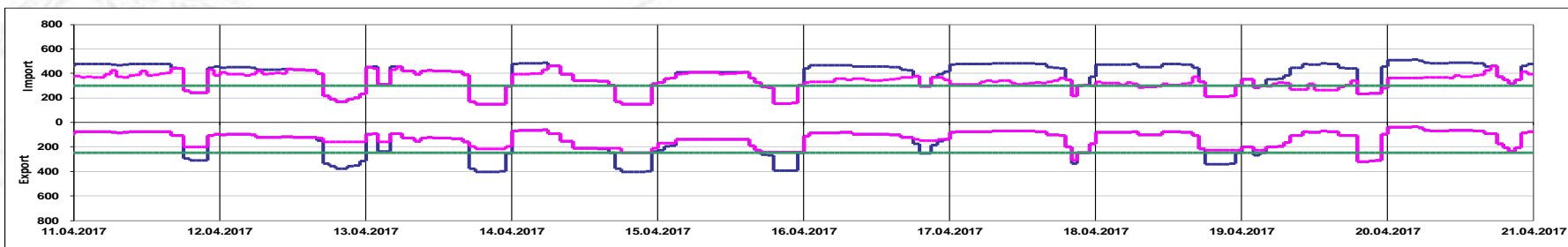
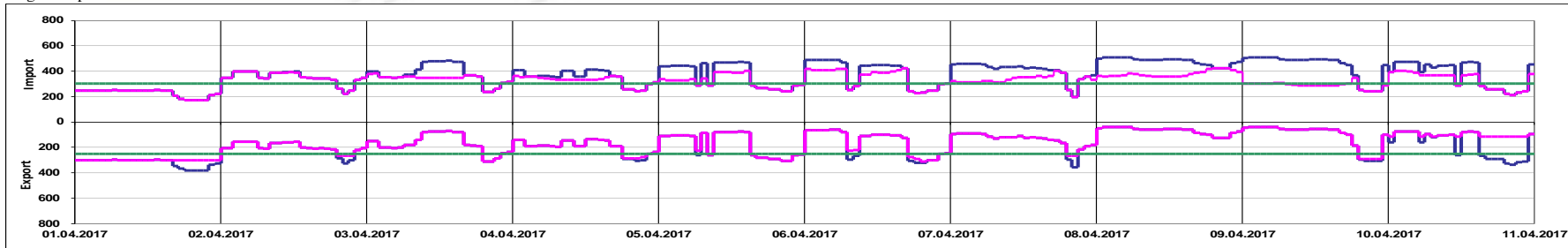




Transelectrica®
Societate Administrată în Sistem Dualist

Daily Auctions on Romanian – Bulgarian border

Bulgaria April 2017



Offered Capacity on Daily Auction Import (+) / Export (-) [MW]

Allocated Capacity on Daily Auction Import (+) / Export (-) [MW]

Net Transfer Capacity (NTC) Import (+) / Export (-) [MW]

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Auctions on Romanian – Bulgarian border

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.03	0.03	0.03	0.05	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.02	0.05
3	0.07	0.13	0.19	0.19	0.13	0.19	0.19	0.22	0.22	0.27	0.28	0.93	0.93	1.11	1.11	0.93	0.10	0.07	0.07	0.01	0.01	0.01	0.02	0.02	1.11
4	0.07	0.07	0.03	0.03	0.03	0.03	0.03	0.07	0.27	0.27	0.07	0.03	0.33	0.33	0.28	0.07	0.05	0.05	0.00	0.00	0.00	0.00	0.01	0.01	0.33
5	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.33	0.03	0.19	0.51	0.40	0.51	0.51	0.51	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.51
6	0.08	0.08	0.08	0.08	0.12	0.12	0.07	0.00	0.00	0.24	0.24	0.17	0.24	0.40	0.35	0.17	0.07	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.40
7	0.39	0.39	0.39	0.39	0.39	0.22	0.22	0.22	0.39	0.39	0.39	0.51	0.39	0.39	0.22	0.22	0.22	0.22	0.20	0.00	0.00	0.05	0.07	0.10	0.51
8	0.39	0.39	0.33	0.30	0.50	0.50	0.36	0.33	0.32	0.56	1.83	4.00	4.00	4.00	3.83	1.50	1.50	0.77	0.50	0.50	0.50	0.50	1.22	1.50	4.00
9	6.58	6.00	6.00	6.00	6.00	6.00	6.00	10.00	10.12	11.04	13.50	15.01	15.01	9.90	9.90	9.90	8.92	1.00	0.17	0.00	0.00	0.00	0.00	0.90	15.01
10	0.00	0.16	0.16	0.16	0.16	0.00	0.07	0.00	0.03	0.03	0.07	0.00	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.16
11	0.31	0.31	0.31	0.31	0.31	0.31	0.27	0.17	0.17	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.15	0.31
12	0.03	0.07	0.07	0.07	0.07	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
13	0.05	0.07	0.00	0.00	0.07	0.07	0.03	0.03	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
14	0.27	0.31	0.31	0.31	0.31	0.31	0.14	0.14	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
15	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
16	0.03	0.07	0.12	0.12	0.12	0.12	0.14	0.14	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.14
17	0.06	0.06	0.14	0.14	0.14	0.14	1.13	1.13	2.56	7.00	8.00	8.00	8.00	6.62	4.41	3.56	2.35	1.56	1.00	0.03	0.00	0.02	0.02	0.17	8.00
18	0.30	0.30	0.30	0.79	0.79	0.79	0.79	0.22	0.22	0.22	0.22	0.30	0.11	0.11	0.11	0.11	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.79
19	0.03	0.03	0.00	0.00	0.03	0.03	0.02	0.03	0.17	0.22	0.22	0.55	5.87	5.69	6.01	6.01	5.43	4.01	4.01	0.14	0.03	0.02	0.02	10.00	10.00
20	15.00	15.00	15.20	15.48	15.00	8.53	1.08	0.55	0.55	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.20	0.20	0.33	0.27	0.14	0.05	1.00	1.14	15.48
21	22.74	22.41	18.19	17.35	17.49	14.15	8.52	8.79	10.23	10.00	16.87	12.74	11.50	11.49	8.62	7.68	8.49	5.81	1.51	0.56	0.50	0.12	0.12	1.31	22.74
22	1.24	1.53	1.15	1.00	1.00	0.55	0.57	0.20	0.28	0.28	0.28	0.40	0.40	0.55	0.28	0.40	0.28	0.40	0.20	0.10	0.10	0.10	0.19	0.88	1.53
23	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.07	0.00	0.00	0.00	0.36	0.36
24	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.41	1.52	1.52	1.52	0.41	0.41	0.41	0.41	0.07	0.07	0.05	0.05	0.05	0.05	0.05	0.07	0.44	1.52
25	0.01	0.07	0.07	0.07	0.07	0.01	0.00	0.01	0.00	0.00	0.01	0.10	3.66	1.66	1.96	3.66	3.66	1.34	2.28	2.51	3.00	4.08	7.00	10.56	10.56
26	7.71	7.68	3.62	3.05	1.55	1.22	1.30	0.77	0.77	0.77	1.55	1.25	1.09	1.09	0.55	0.55	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.71
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.22	0.22	1.66	0.22	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66
28	0.55	0.55	0.55	0.55	0.55	0.33	0.33	0.33	0.55	0.88	1.00	0.61	0.88	0.88	0.88	0.61	0.44	0.61	0.00	0.00	0.00	0.00	0.00	0.55	1.00
29	0.88	0.47	0.88	0.89	0.98	0.70	0.47	0.16	0.07	0.11	0.23	0.33	0.47	0.47	0.47	0.16	0.16	0.16	0.08	0.00	0.00	0.00	0.00	0.62	0.98
30	0.77	0.77	0.77	0.77	0.77	0.66	0.66	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.51	0.51	0.07	0.16	0.77	0.54	0.77

Bulgaria April 2017



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border

Auction Price [Euro/MWh] – Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.07	0.07	0.16	0.16	0.16	0.06	0.16	0.07	0.05	0.05	0.05	0.05	0.33	0.27	0.33	0.33	0.55	1.01	1.63	2.00	3.22	1.56	0.33	0.16	3.22
2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.00	0.00	0.00	0.03	0.03	0.03	0.02	0.02	0.03	0.09	0.10	0.09	0.03	0.03	0.10
3	0.00	0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.06	0.05	0.02	0.02	0.02	0.06
4	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.12	0.12	0.34	0.20	0.07	0.04	0.34
5	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.07	0.12	0.07	0.11	0.11	0.03	0.03	0.12
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.30	0.25	0.11	0.09	0.05	0.03	0.30
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.46	0.66	0.03	0.03	0.00	0.66
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.00	0.00	0.03
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.25	0.10	0.00	0.25
10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.11	0.26	0.26	0.31	0.66	0.46	0.31	0.11	0.00	0.66
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.12	1.12	0.79	0.79	0.00	0.00	1.12
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.33	2.01	5.55	5.55	5.55	4.01	1.53	0.66	5.55
13	0.01	0.00	0.11	0.11	0.00	0.00	0.07	0.11	0.11	0.11	0.05	0.11	0.11	0.11	0.11	0.11	0.46	5.55	5.55	5.55	5.55	5.55	4.00	0.46	5.55
14	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.31	0.31	0.46	0.46	0.52	0.52	0.55	0.55	0.66	5.66	10.03	10.03	7.66	7.00	2.01	0.30	10.03
15	0.05	0.03	0.01	0.00	0.00	0.01	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.13	0.27	2.00	13.00	13.00	2.70	2.70	0.19	13.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.36	0.88	0.01	0.00	0.00	0.88
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.26	0.01	0.01	0.00	0.26
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.33	0.33	0.22	0.22	0.22	0.01	0.33
19	0.01	0.01	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.09	0.07	0.07	0.00	0.19
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.07	0.03	0.00	0.00	0.07
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.10	0.10	0.10	0.03	0.10
22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.07	0.07	0.13	0.13	0.13	0.03	0.03	0.19	0.19	0.07	0.01	0.00	0.19
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.26	0.51	0.51	0.26	0.00	0.51
24	0.26	0.26	0.26	0.26	0.12	0.26	0.26	0.26	0.00	0.00	0.00	0.26	0.26	0.26	0.26	0.26	0.51	0.51	0.56	0.56	0.51	0.51	0.51	0.22	0.56
25	0.07	0.00	0.00	0.00	0.00	0.07	0.11	0.11	0.11	0.33	0.11	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.33
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.27	0.27	0.07	0.07	0.07	0.00	0.27
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.05	0.05	0.01	0.00	0.07
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.07	0.03	0.01	0.00	0.00	0.33
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27	0.20	0.10	0.00	0.27
30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.36	0.36	0.03	0.00	0.36

Bulgaria April 2017

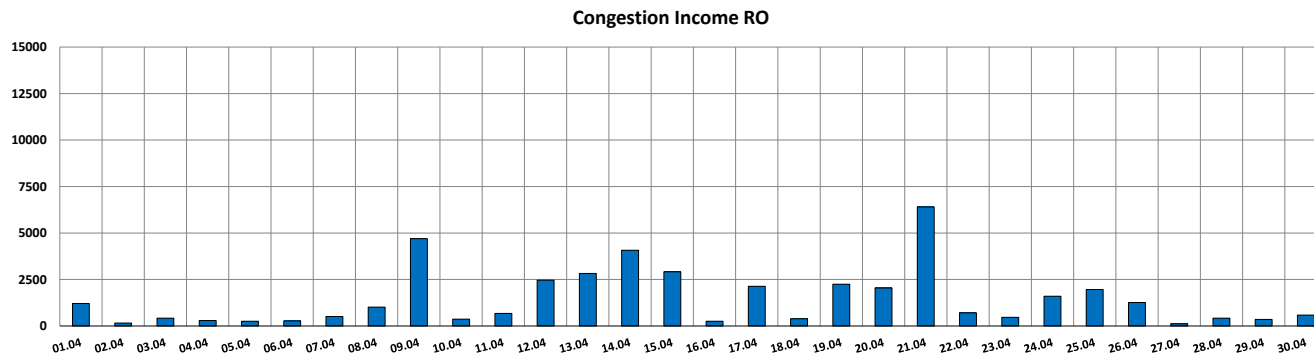
Public

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Allocation on Romanian – Bulgarian border



Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.04	2415	1208
02.04	316	158
03.04	843	422
04.04	580	290
05.04	505	252
06.04	542	271
07.04	1016	508
08.04	2030	1015
09.04	9391	4695
10.04	732	366
11.04	1349	675
12.04	4921	2460
13.04	5653	2827
14.04	8139	4069
15.04	5836	2918
16.04	511	255
17.04	4261	2131
18.04	780	390
19.04	4496	2248
20.04	4085	2043
21.04	12800	6400
22.04	1413	707
23.04	928	464
24.04	3206	1603
25.04	3925	1962
26.04	2529	1264
27.04	240	120
28.04	844	422
29.04	700	350
30.04	1168	584
Total	86156	43078

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
51112	35044	23108	18050
86156		41159	

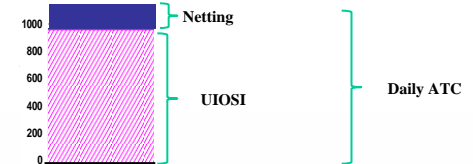
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
44997	22499

Market for Allocation of Cross-Border Capacities



Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
73	516



Serbia April 2017



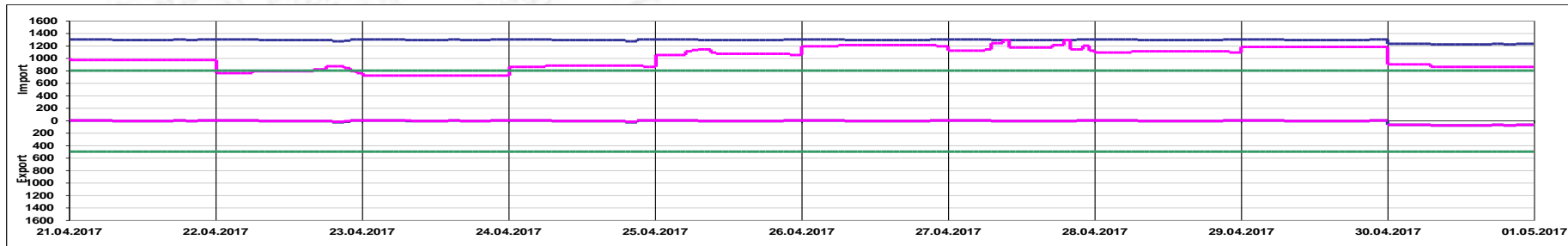
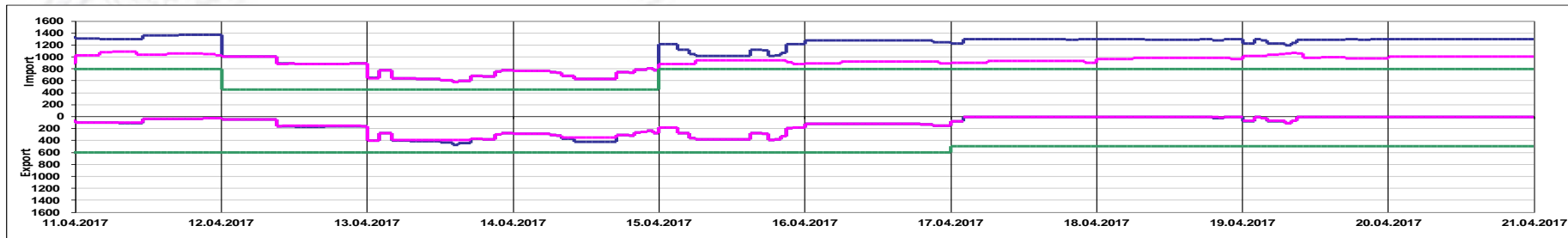
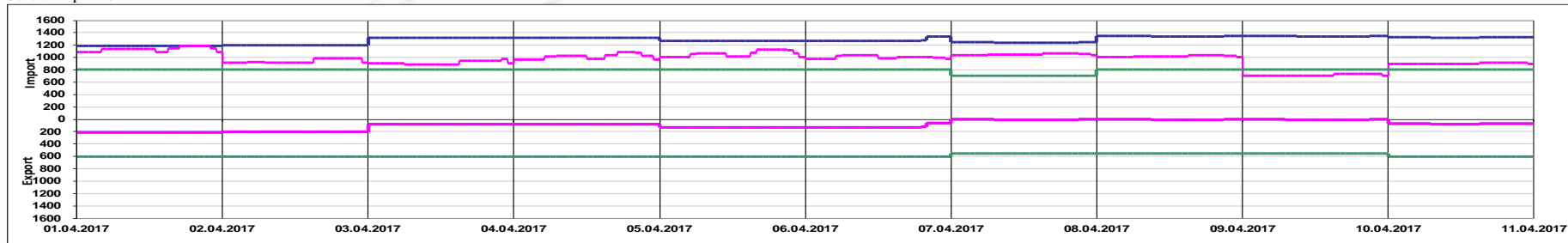


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

Serbia April 2017



Offered Capacity on Daily Auction Import (+) / Export (-) [MW]

Allocated Capacity on Daily Auction Import (+) / Export (-) [MW]

Net Transfer Capacity (NTC) Import (+) / Export (-) [MW]



Transelectrica®

Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
2	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
3	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.32	0.32	0.32	1.25	1.25	1.25	1.25	1.25	1.25	1.25	0.32	0.36	0.36	0.36	0.36	0.36	0.36	1.25
4	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
6	0.08	0.33	5.00	0.33	0.33	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	1.00	1.00	1.00	1.00	5.00
7	2.12	3.68	3.68	1.68	1.68	1.68	1.19	1.19	1.19	2.68	2.68	1.68	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	3.68
8	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.24	1.12	0.95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.94	1.24
9	0.00	0.00	0.00	0.00	0.31	0.31	0.31	3.00	3.00	8.00	7.40	8.32	9.80	8.35	7.00	6.00	6.50	5.03	1.21	1.21	1.21	1.00	1.00	0.31	9.80
10	0.15	0.15	0.15	0.15	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.15	0.15	0.15
11	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.15	0.15	0.15	0.15	0.34	0.34	0.76	0.76	0.76	0.76	0.55	0.55	0.55	0.56	0.56	0.77	1.00	1.00
12	4.01	4.01	4.01	0.33	0.33	0.42	0.42	0.33	0.33	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	4.01
13	0.03	0.03	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.05	0.11	0.11	0.11
14	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.05	0.06	0.07	0.07	0.07
15	0.55	0.55	0.43	0.29	0.29	0.20	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.20	0.20	0.20	0.20	0.11	0.15	0.16	0.27	0.27	0.35	0.55
16	2.03	2.03	0.76	0.76	0.76	0.76	0.76	1.55	1.55	1.10	1.10	1.10	0.43	0.26	0.26	0.26	0.26	0.13	0.13	0.13	0.13	0.11	0.13	1.21	2.03
17	0.18	0.18	-	-	-	-	-	0.77	2.80	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.80	-	-	0.17	0.17	-	-	-	3.00
18	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	-	-	-	0.00
19	0.07	0.07	0.05	0.00	0.07	0.07	0.07	0.03	0.07	0.17	0.17	1.50	3.10	2.86	3.10	3.86	3.10	-	-	3.10	3.10	-	-	-	3.86
20	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	-	-	-	0.00
21	-	-	-	-	-	-	-	0.80	0.80	0.80	0.80	1.14	1.14	1.14	1.82	1.82	1.82	-	-	2.66	3.05	-	-	-	3.05
22	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
23	-	-	-	-	-	-	-	0.00	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	-	-	-	0.56
24	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.00	0.00	0.21	0.26	0.26	0.00	0.00	-	-	-	0.26
25	-	-	-	-	-	-	-	0.17	0.17	0.17	0.17	1.12	1.13	1.13	1.13	1.13	2.12	1.12	1.10	2.00	2.00	-	-	-	2.12
26	-	-	-	-	-	-	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	-	-	-	0.50
27	-	-	-	-	-	-	-	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-	-	-	0.25
28	-	-	-	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-	-	-	0.10
29	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-	-	-	0.01
30	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.16	0.16	0.16	0.16	0.16	0.16	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.33	0.33	0.33	0.33	0.33

Serbia April 2017



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] – Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.07	0.06	0.11
13	0.11	0.11	0.05	0.05	0.15	0.15	0.22	0.22	0.22	0.22	0.22	0.11	0.11	0.11	0.11	0.16	0.11	0.11	0.16	0.16	0.16	0.11	0.10	0.08	0.08	0.22
14	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.11	0.07	0.05	0.05	0.05	0.05	0.13
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia April 2017

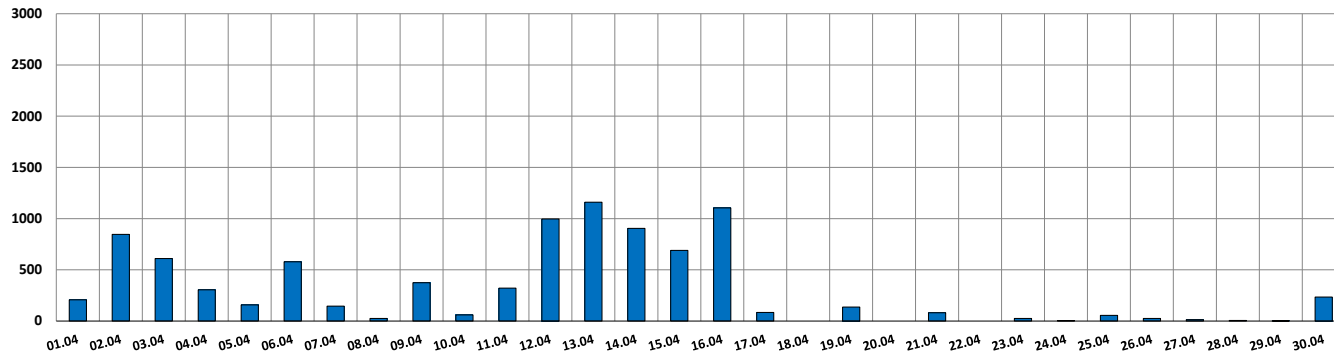
Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Allocation on Romanian – Serbian border

Congestion Income RO



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.04	415	207
02.04	1692	846
03.04	1219	610
04.04	610	305
05.04	315	158
06.04	1157	578
07.04	290	145
08.04	51	25
09.04	747	374
10.04	120	60
11.04	643	322
12.04	1993	997
13.04	2321	1161
14.04	1810	905
15.04	1380	690
16.04	2210	1105
17.04	168	84
18.04	0	0
19.04	274	137
20.04	0	0
21.04	162	81
22.04	0	0
23.04	51	25
24.04	7	4
25.04	111	55
26.04	52	26
27.04	26	13
28.04	10	5
29.04	1	1
30.04	468	234
Total	18301	9150

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
13161	5140	11932	3165
18301		15098	

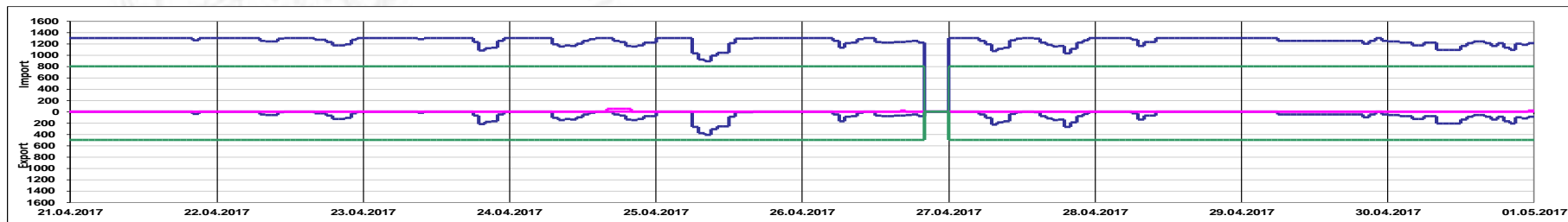
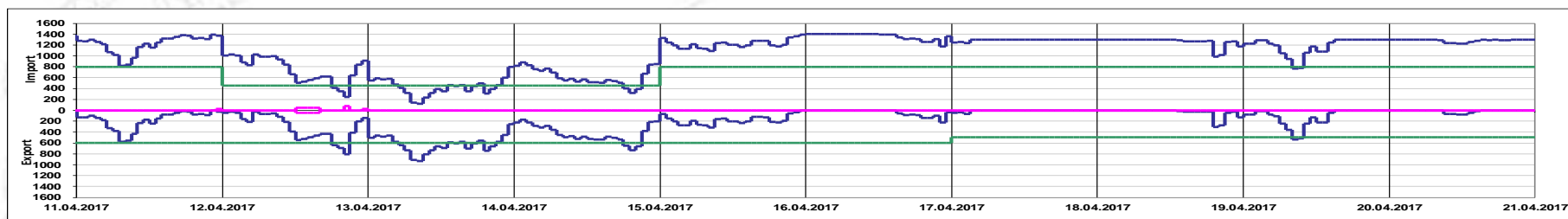
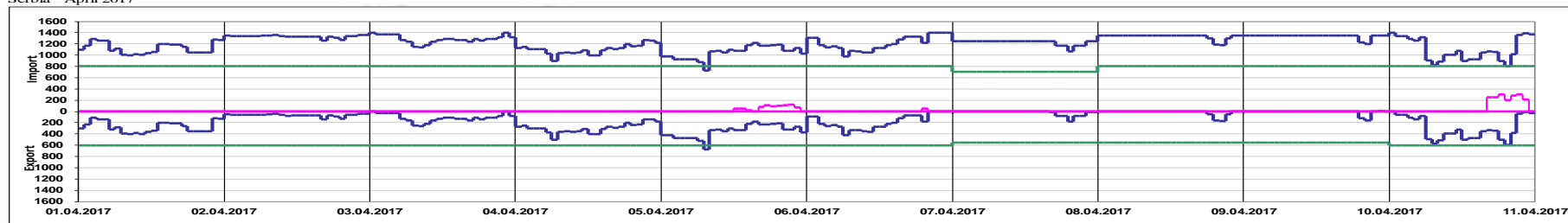
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
3203	1602



Transelectrica®
Societate Administrată în Sistem Dualist

Intraday Auctions on Romanian – Serbian border

Serbia April 2017



Offered Capacity on Intraday Auction Import (+) / Export (-) [MW]

Allocated Capacity on Intraday Auction Import (+) / Export (-) [MW]

Net Transfer Capacity (NTC) Import (+) / Export (-) [MW]

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 26.04.2017, session 6 (21:00 – 24:00 CET).

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	0.00
10	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	0.00
18	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	0.00
22	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	0.00
26	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00
27	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.00	0.00	0.00	-	-	-	-	-	0.00
29	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia April 2017

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 26.04.2017, session 6 (21:00 – 24:00 CET).

Public



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia April 2017

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 26.04.2017, session 6 (21:00 – 24:00 CET).



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Statistics on Monthly Auction

April 2017		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Hungary export	Number of Capacity Traders	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
	Number of Capacity Holders	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	
Hungary import	Number of Capacity Traders	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	Number of Capacity Holders	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
	Number of Bids	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
Bulgaria export	Number of Capacity Traders	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	Number of Capacity Holders	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
Bulgaria import	Number of Capacity Traders	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	Number of Capacity Holders	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	Number of Bids	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
Serbia export	Number of Capacity Traders	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	Number of Capacity Holders	7	7	10	10	10	10	7	7	7	7	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	
Serbia import	Number of Capacity Traders	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	Number of Capacity Holders	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	Number of Bids	19	19	17	17	17	17	17	18	18	18	18	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
Ukraine export	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ukraine import	Number of Capacity Traders	-	-	6	6	6	6	-	-	-	6	6	-	-	-	6	6	6	6	-	5	5	5	5	5	5	5	5	5	5	
	Number of Capacity Holders	-	-	6	6	6	6	-	-	-	6	5	-	-	-	6	6	6	6	-	5	5	4	5	4	4	4	4	4	5	
	Number of Bids	-	-	15	15	15	15	-	-	-	15	13	-	-	-	13	13	13	13	-	12	12	11	12	12	12	12	12	12	12	
Moldavia import RO_Cioara	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Moldavia import RO_Costesti	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Moldavia import RO_Vulcanesti	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

April 2017	Maximum	Minimum
Number of Capacity Traders	25	5
Number of Capacity Holders	13	4
Number of Bids	121	11

Public

Market for Allocation of Cross-Border Capacities



Statistics on Daily Auctions

April 2017		Daily Auctions																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Serbia Export	Maximum Number of Capacity Traders	5	6	6	6	6	7	6	3	4	4	7	6	6	6	6	5	1	7	1	5	2	2	2	4	3	3	3	2	5	
	Maximum Number of Capacity Holders	4	5	3	3	4	4	2	2	2	3	4	5	6	5	6	5	3	1	5	1	2	2	2	2	2	2	2	2	3	
	Maximum Number of Bids	13	16	13	13	14	15	6	3	4	8	15	11	16	15	21	17	11	1	8	1	5	2	3	3	4	3	3	3	2	9
Serbia Import	Maximum Number of Capacity Traders	7	6	6	7	8	7	9	7	5	4	8	6	7	8	6	4	5	4	8	7	6	7	4	5	8	8	8	7	5	
	Maximum Number of Capacity Holders	7	6	6	7	8	7	9	7	5	4	8	6	7	8	6	4	5	4	8	7	6	7	4	5	8	8	8	7	5	
	Maximum Number of Bids	23	18	18	23	24	20	23	22	14	16	23	23	26	24	22	18	19	19	23	22	21	23	15	19	25	25	27	23	22	17
Bulgaria Export	Maximum Number of Capacity Traders	7	5	9	10	10	9	9	8	7	4	8	5	6	7	5	6	4	6	10	9	11	9	4	7	10	6	6	8	7	5
	Maximum Number of Capacity Holders	7	5	7	8	9	8	7	4	5	4	7	4	6	7	5	5	4	5	7	6	9	5	4	5	9	5	6	6	5	3
	Maximum Number of Bids	21	15	18	22	24	20	19	19	16	10	17	12	15	16	12	13	15	14	18	21	25	18	11	17	20	16	10	13	17	13
Bulgaria Import	Maximum Number of Capacity Traders	13	8	9	11	11	10	12	11	9	9	13	13	13	13	10	9	7	9	9	11	8	11	6	6	8	7	8	8	9	5
	Maximum Number of Capacity Holders	11	7	8	10	10	8	11	10	7	7	12	10	10	11	8	8	7	8	9	11	7	10	6	5	8	6	8	8	9	5
	Maximum Number of Bids	26	17	18	23	23	22	20	20	15	16	23	26	28	27	18	15	13	17	15	21	17	22	17	17	18	17	13	15	23	17

Note: In the table are presented the daily maximum hourly values.

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Statistics on Intraday Auctions

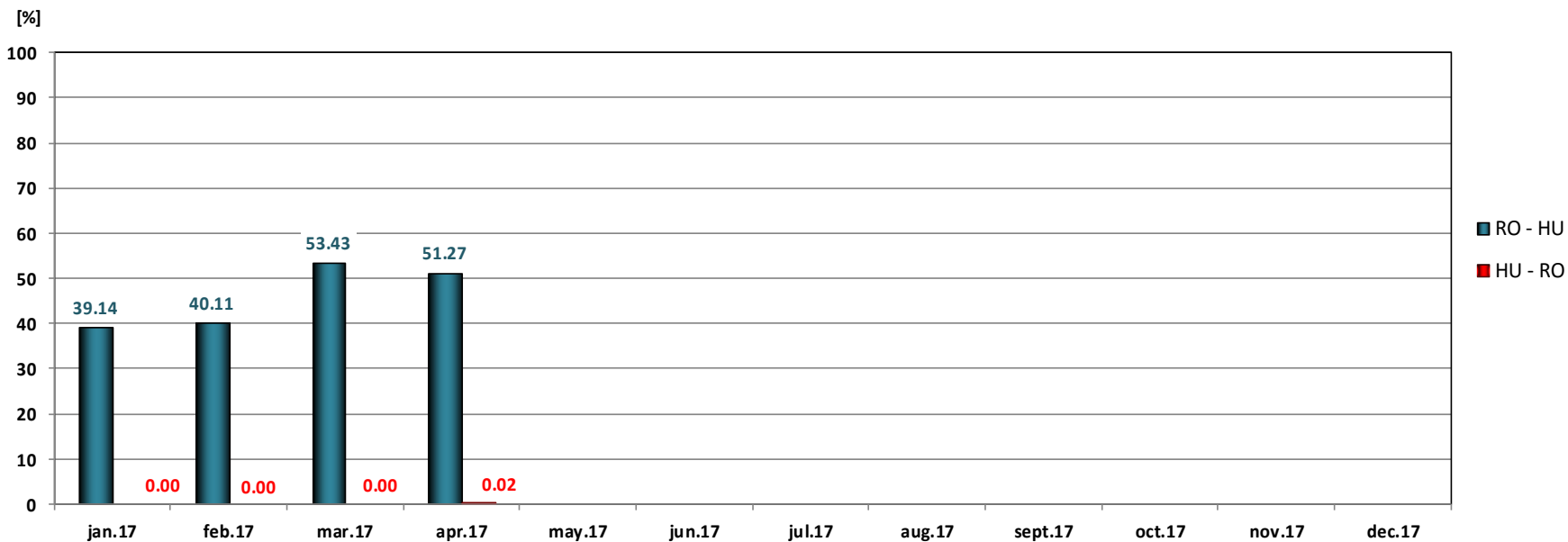
April 2017		Intraday Auctions																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Hungary Export	Maximum Number of Capacity Traders	0	0	3	1	1	1	2	0	1	1	1	1	1	0	0	1	0	1	1	1	0	0	0	2	2	2	3	1	1	1
	Maximum Number of Capacity Holders	-	-	3	1	1	1	2	-	1	1	1	1	1	-	-	1	-	1	1	1	-	-	-	2	2	2	3	1	1	1
Hungary Import	Maximum Number of Capacity Traders	0	0	1	1	2	1	1	1	1	1	1	1	2	0	0	0	1	1	1	1	2	0	0	2	2	2	1	1	1	1
	Maximum Number of Capacity Holders	-	-	1	1	2	1	1	1	1	1	1	1	2	-	-	-	1	1	1	1	2	-	-	2	2	2	1	1	1	1
Serbia Export	Maximum Number of Capacity Traders	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Maximum Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Serbia Import	Maximum Number of Capacity Traders	0	0	0	0	1	1	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1
	Maximum Number of Capacity Holders	-	-	-	-	1	1	-	-	1	2	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	1

Note: In the table are presented the daily maximum hourly values.

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity

Usage Level of Yearly and Monthly Allocated Capacity on Romanian - Hungarian border



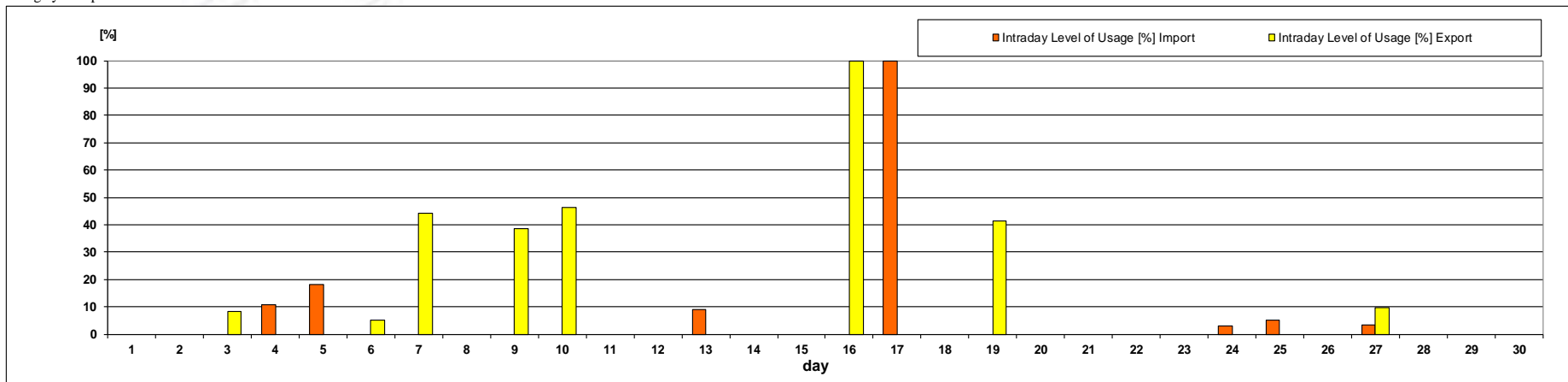
CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 45.99 % on export direction and 0 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary April 2017



Intraday Level of Usage [%]

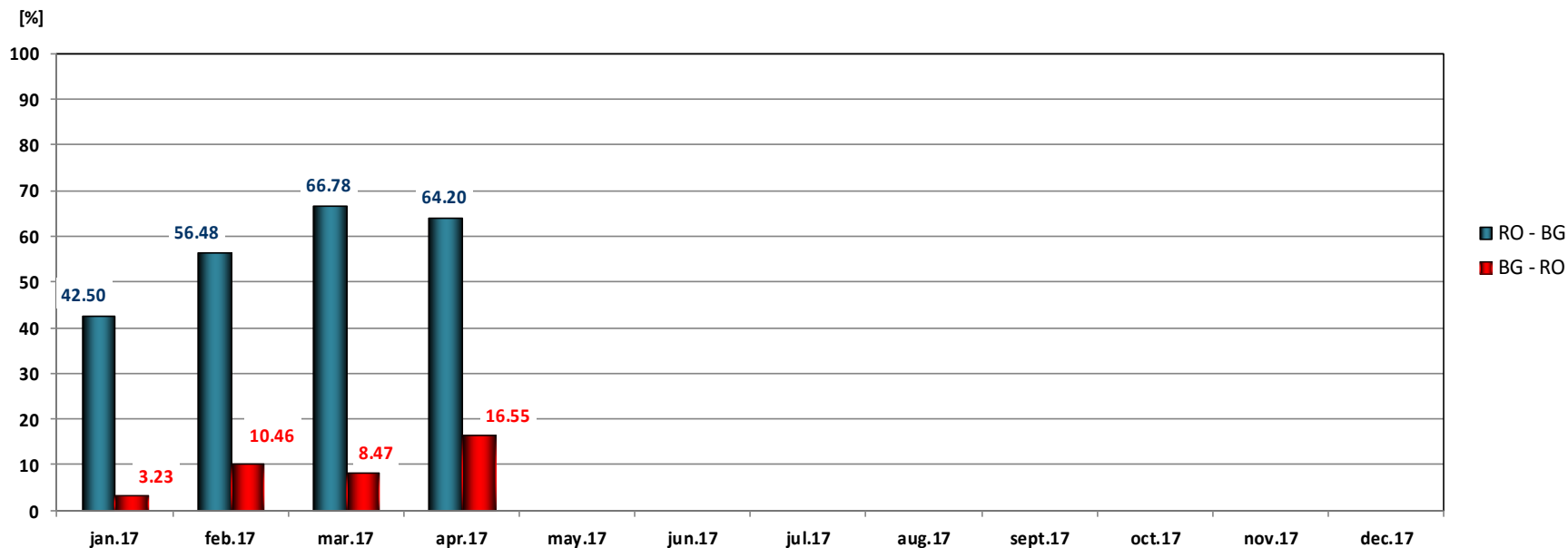
April 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Import	-	-	0.00	10.71	18.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82	-	-	-	100.00	0.00	0.00	0.00	0.00	-	-	3.05	5.23	0.00	3.33	0.00	0.00	0.00
Export	-	-	8.35	0.00	0.00	5.00	44.09	-	38.46	46.20	0.00	0.00	0.00	-	-	100.00	-	0.00	41.25	0.00	-	-	-	0.00	0.00	0.00	9.58	0.00	0.00	0.00

Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 3.74 [%]
- Export 7.97 [%]

Long term Auction on Romanian – Bulgarian border Usage Level of Allocated Capacity

Usage Level of Yearly and Monthly Allocated Capacity on Romanian - Bulgarian border

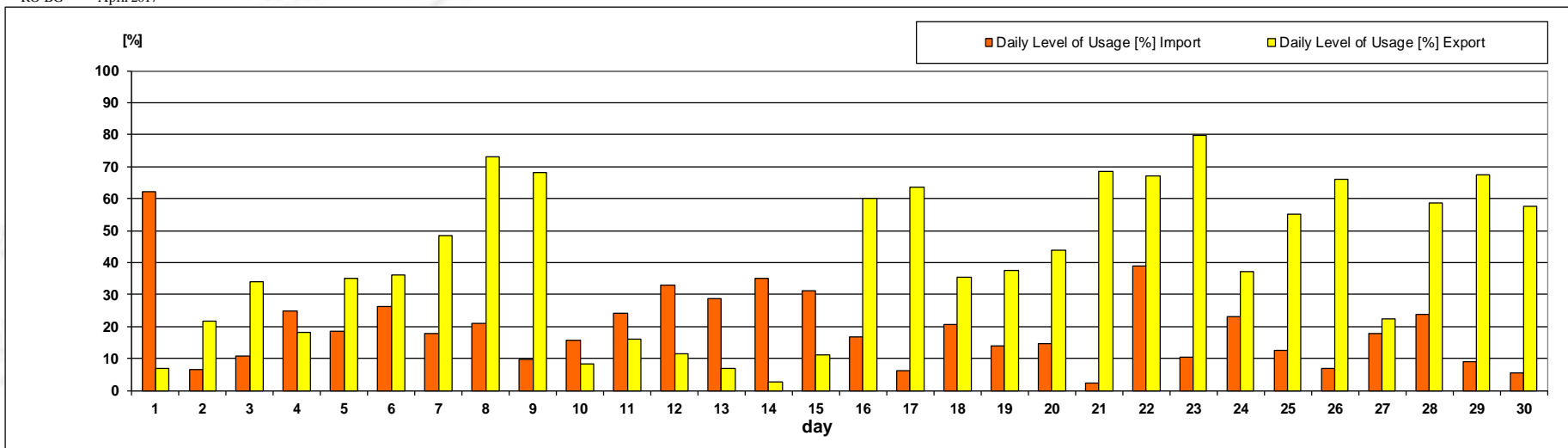


CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 57.49 % on export direction and 9.68 % on import direction.

Daily Auctions on Romanian – Bulgarian border Usage Level of Daily Allocated Capacity

RO-BG April 2017



Daily Level of Usage [%]

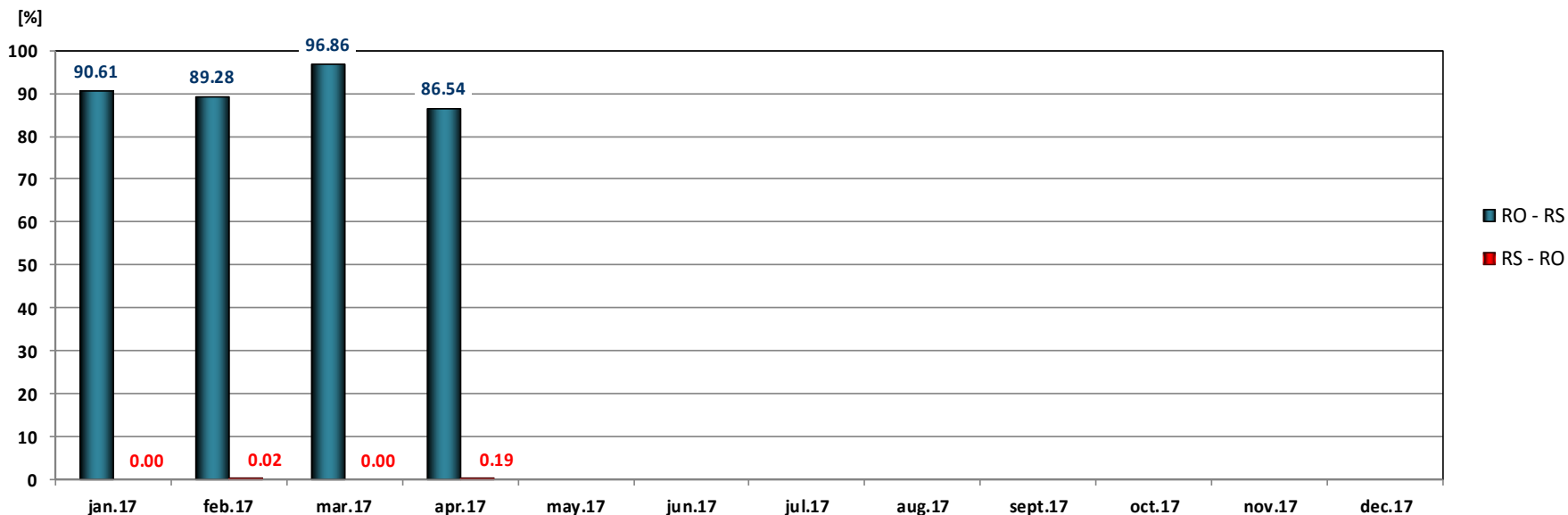
April 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Import	62.31	6.51	10.77	24.69	18.37	26.35	17.67	21.08	9.58	15.51	24.25	32.92	28.66	35.00	31.13	16.90	6.30	20.61	14.03	14.64	2.36	39.01	10.23	23.16	12.41	6.73	17.88	23.60	9.15	5.39
Export	7.02	21.62	34.06	18.10	35.03	36.08	48.26	73.02	67.98	8.36	16.07	11.34	6.72	2.78	11.02	60.15	63.49	35.25	37.56	43.90	68.46	67.25	79.67	37.29	55.06	65.91	22.19	58.46	67.42	57.56

Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 19.14 [%]
- Export 35.27 [%]

Long term Auction on Romanian – Serbian border Usage Level of Allocated Capacity

Usage Level of Yearly and Monthly Allocated Capacity on Romanian - Serbian border

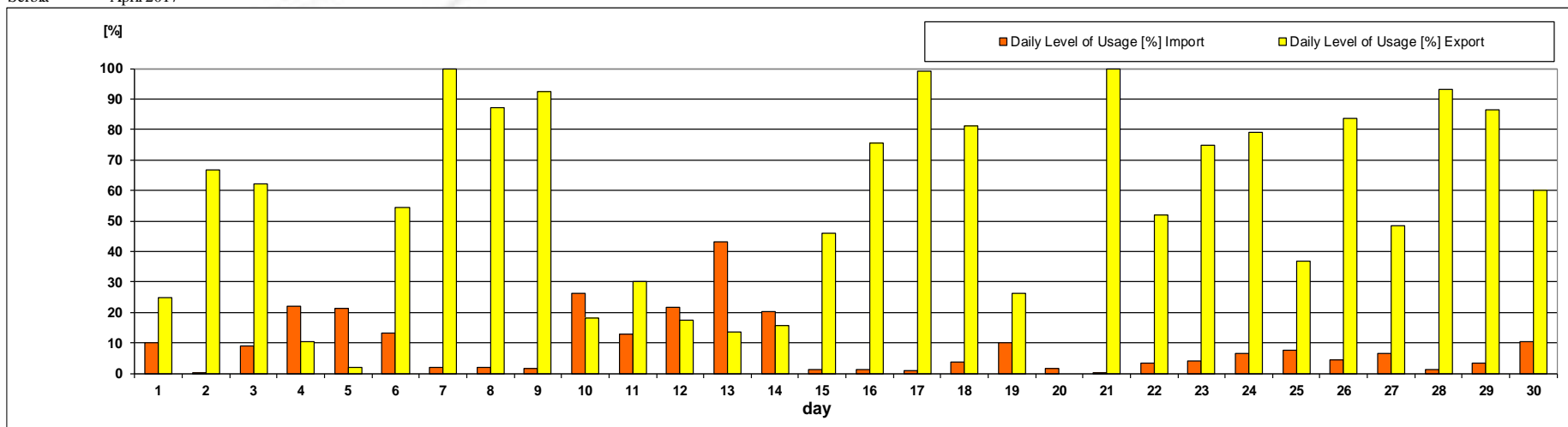


CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 90.82 % on export direction and 0.05 % on import direction.

Daily Auctions on Romanian – Serbian border Usage Level of Daily Allocated Capacity

Serbia April 2017



Daily Level of Usage [%]

April 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Import	10.07	0.15	9.11	22.14	21.29	13.17	2.10	1.78	1.58	26.25	12.77	21.63	43.16	20.25	1.19	1.14	0.72	3.86	9.94	1.54	0.15	3.34	4.00	6.39	7.44	4.31	6.51	1.15	3.18	10.22
Export	24.96	66.85	62.06	10.34	1.78	54.46	100.00	87.27	92.41	18.12	30.28	17.48	13.48	15.51	45.84	75.66	99.08	81.31	26.18	0.00	100.00	51.92	74.74	78.99	36.89	83.50	48.54	93.20	86.41	60.08

Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 8.60 [%]
- Export 34.39 [%]

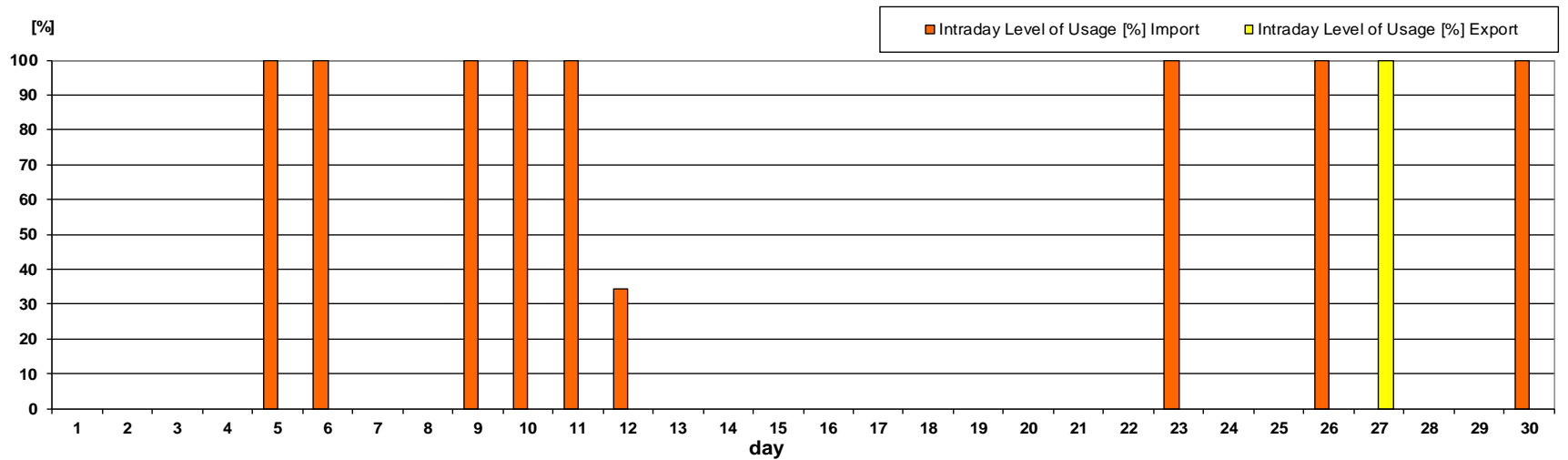
Market for Allocation of Cross-Border Capacities



Intraday Auctions on Romanian – Serbian border Usage Level of Intraday Allocated Capacity

Serbia

April 2017



Intraday Level of Usage [%]

April 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Import	-	-	-	-	100.00	100.00	-	-	100.00	100.00	100.00	34.43	-	-	-	-	-	-	-	-	-	-	100.00	0.00	-	100.00	-	-	-	100.00
Export	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.00	-	-	-

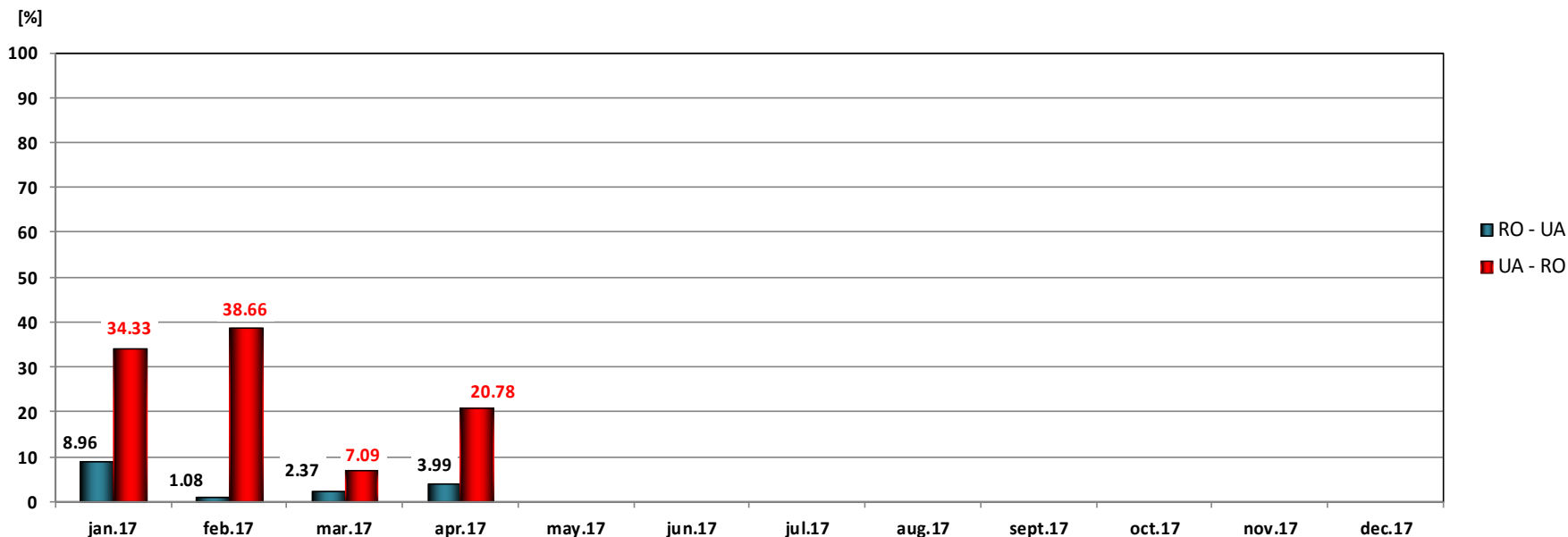
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 87.75 [%]
- Export 4.76 [%]

Long term Auction on Romanian – Ukrainian border

Usage Level of Allocated Capacity

Usage Level of Yearly and Monthly Allocated Capacity on Romanian - Ukrainian border



CET

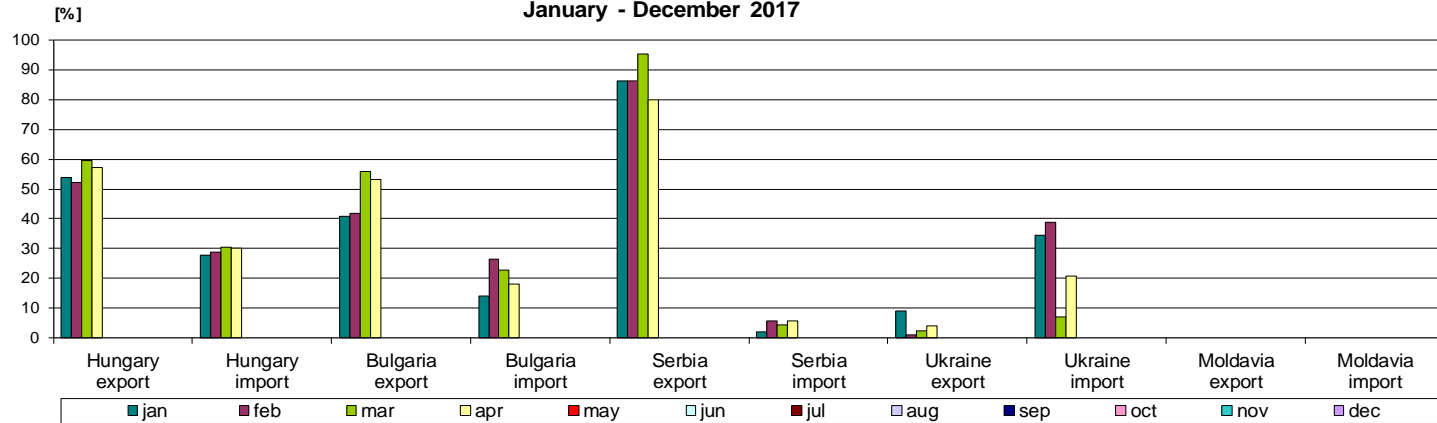
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 4.14 % on export direction and 26.69 % on import direction.

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

**Allocated Capacity Usage
January - December 2017**



The allocated capacity level of usage on one border and direction represents the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the allocated capacity by the Romanian and by the neighbouring side, to all participants who have or not counterparties on the other side of the border.

[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	54.00	27.90	40.92	14.26	86.37	2.06	8.96	34.33	-	-
feb	52.10	28.88	41.96	26.52	86.13	5.71	1.08	38.66	-	-
mar	59.59	30.37	55.74	22.71	95.28	4.56	2.37	7.09	-	-
apr	57.19	30.24	53.10	18.01	79.88	5.91	3.99	20.78	-	-
may										
jun										
jul										
aug										
sep										
oct										
nov										
dec										
average	55.72	29.35	47.93	20.37	86.92	4.56	4.10	25.22	-	-

Type B

In April 2017, the highest level of usage on export direction was obtained on Serbian border. On import direction the highest level of usage was obtained on Hungarian border.

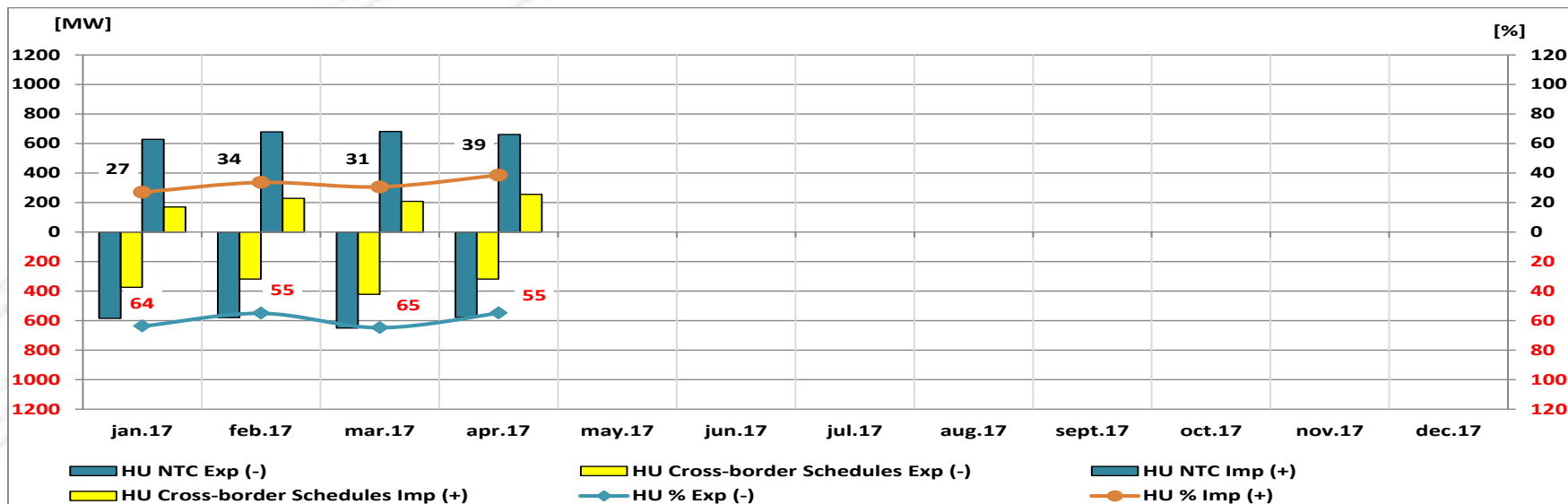


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Hungarian border

CET

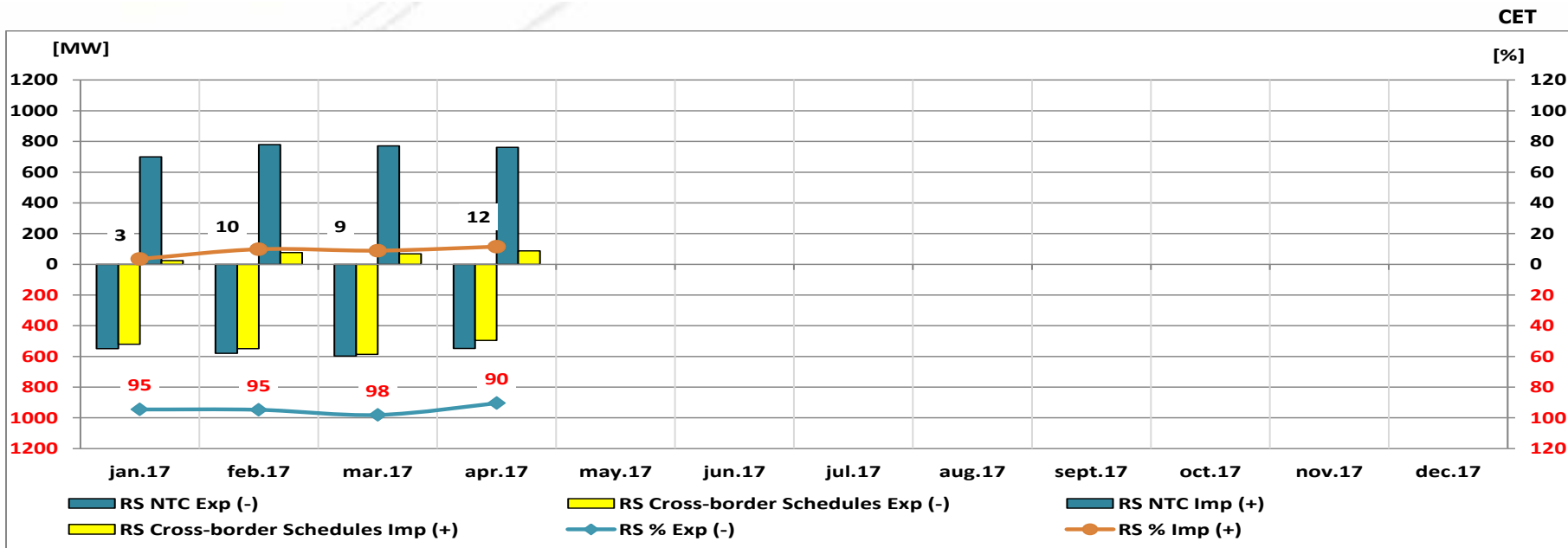


Hungary (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
HU NTC Exp (-)	-585	-579	-651	-578								
HU Cross-border Schedules Exp (-)	-373	-319	-422	-318								
HU NTC Imp (+)	629	679	682	662								
HU Cross-border Schedules Imp (+)	170	229	209	256								

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.

From the beginning of the year, the average values (arithmetic) of usage level are: 59.64 % on export direction and 32.48 % on import direction.

Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
RS NTC Exp (-)	-550	-579	-598	-548								
RS Cross-border Schedules Exp (-)	-520	-549	-586	-496								
RS NTC Imp (+)	700	779	772	762								
RS Cross-border Schedules Imp (+)	24	76	69	88								

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.

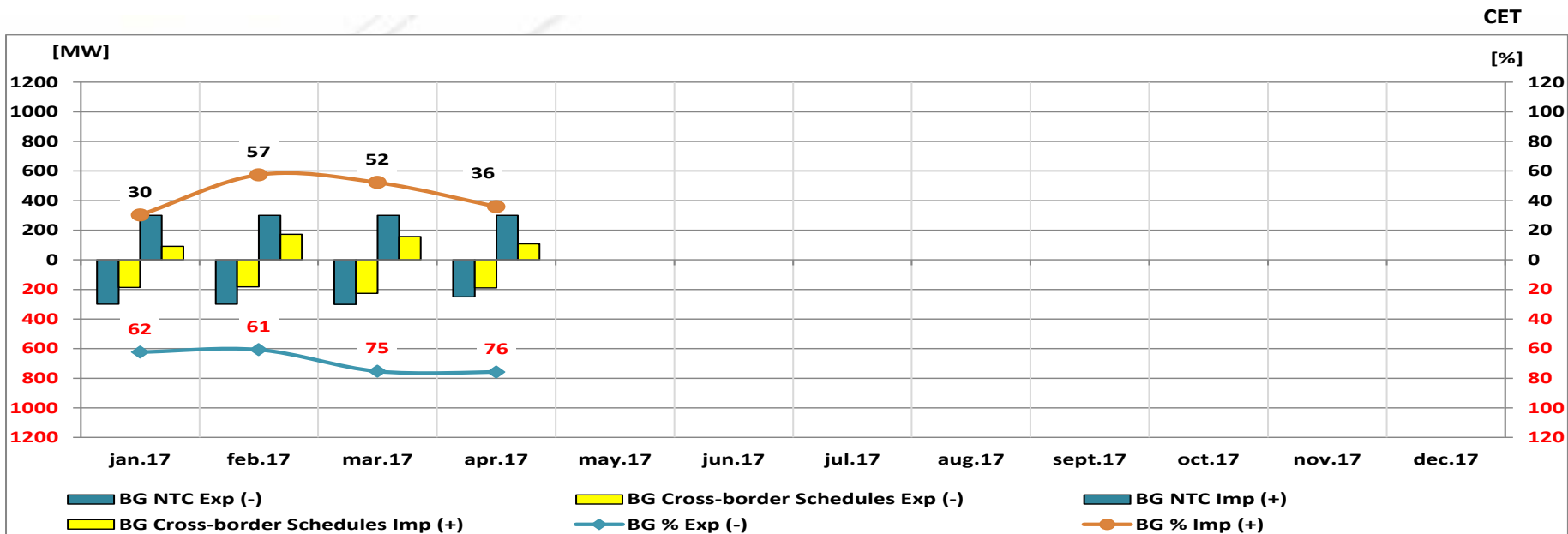
From the beginning of the year, the average values (arithmetic) of usage level are: 94.47 % on export direction and 8.43 % on import direction.



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Bulgarian border



Bulgaria (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
BG NTC Exp (-)	-300	-300	-300	-250								
BG Cross-border Schedules Exp (-)	-187	-182	-226	-190								
BG NTC Imp (+)	300	300	300	300								
BG Cross-border Schedules Imp (+)	91	172	157	108								

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.

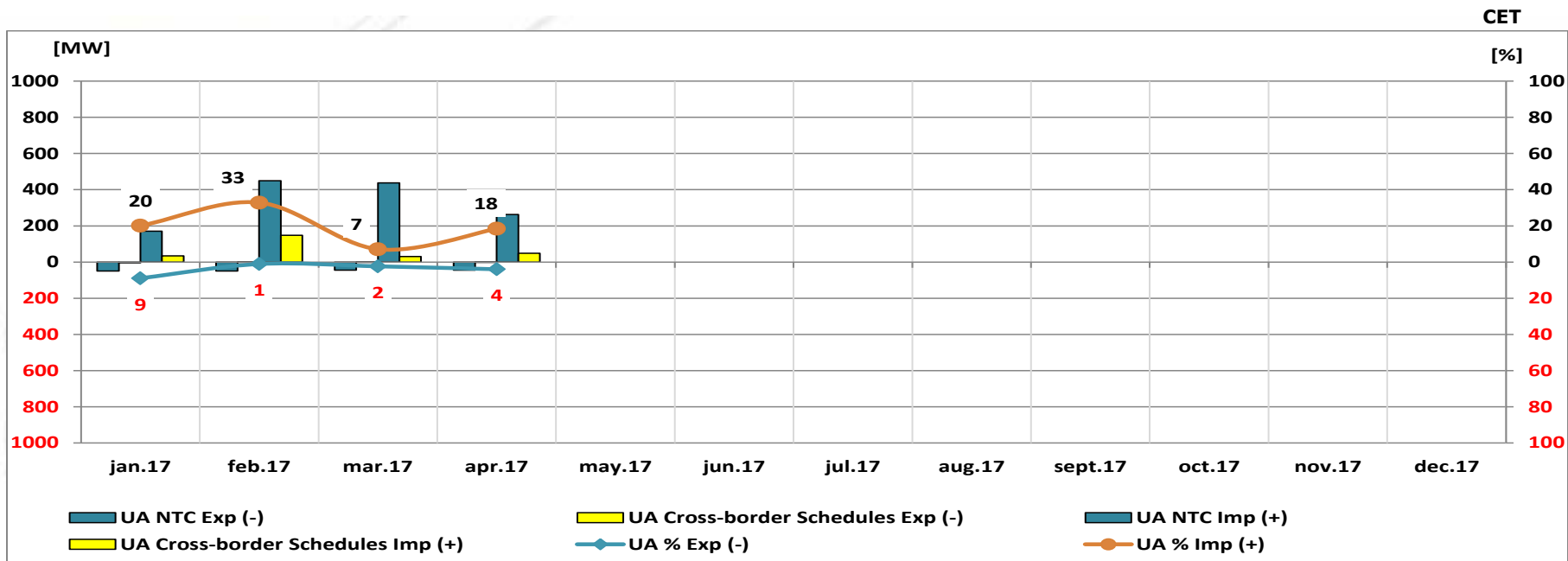
From the beginning of the year, the average values (arithmetic) of usage level are: 68.56 % on export direction and 43.95 % on import direction.



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Ukrainian border



Ukraine (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
UA NTC Exp (-)	-50	-50	-45	-45								
UA Cross-border Schedules Exp (-)	-4	-1	-1	-2								
UA NTC Imp (+)	171	450	438	263								
UA Cross-border Schedules Imp (+)	34	148	31	49								

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.

From the beginning of the year, the average values (arithmetic) of usage level are: 4.1 % on export direction and 19.63 % on import direction.



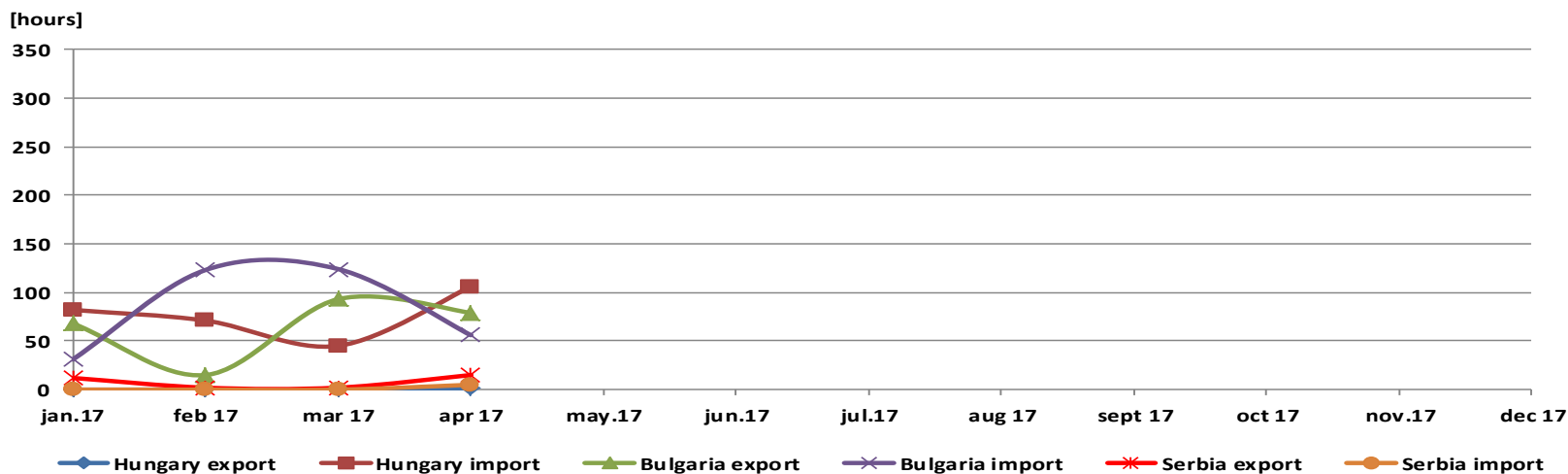
Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Maximization of NTC Usage

CET

Number of hours in which the sum of nominated cross-border schedules is higher than NTC



Number of hours	jan.17	feb 17	mar 17	apr 17	may.17	jun.17	jul.17	aug 17	sept 17	oct 17	nov.17	dec 17
Hungary export	0	0	0	1								
Hungary import	82	71	45	106								
Bulgaria export	68	15	93	79								
Bulgaria import	31	123	124	56								
Serbia export	12	2	2	15								
Serbia import	0	0	0	5								

By making efficient use of the interconnection (applying “netting” principle in daily and intra-day offered capacity calculation) there are some hours in which sum of nominated cross-border schedules is higher than the NTC.

Market for Allocation of Cross-Border Capacities



Synthesis (C1, C3, HHI) on type of auction and total values

April 2017

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday					
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI
<i>Hungary import</i>	22.06	55.59	1490	19.00	43.38	1099	-	-	-	90.79	98.70	8277	17.23	41.23	897
<i>Hungary export</i>	30.86	55.71	1498	24.17	62.50	1793	-	-	-	93.14	98.99	8692	22.58	42.40	972
<i>Bulgaria import</i>	43.00	92.00	3564	33.13	80.00	2530	40.99	77.00	2589	-	-	-	39.22	71.07	2319
<i>Bulgaria export</i>	41.00	76.00	2472	32.50	80.83	2385	47.00	84.78	3096	-	-	-	40.44	62.80	2088
<i>Serbia import</i>	46.67	93.33	3844	40.56	70.33	2367	37.04	86.06	2624	84.69	98.47	7325	26.13	66.04	1702
<i>Serbia export</i>	39.50	70.00	2273	37.95	69.51	2215	40.97	85.99	2757	95.24	100.00	9093	33.61	63.29	1719
<i>Ukraine import</i>	50.00	100.00	4808	46.26	77.09	2830	-	-	-	-	-	-	46.62	79.37	2876
<i>Ukraine export</i>	48.00	100.00	3728	-	-	-	-	-	-	-	-	-	48.00	100.00	3728
<i>Moldavia import</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- Starting with 20.11.2014, on Hungarian border the implicit daily allocation is done through the market coupling mechanism of CZ-SK-HU day-ahead electricity markets.
- Starting with 01.01.2015, intraday auctions are no longer organized on the Bulgarian border, since the Bulgarian market rules do not allow intraday cross-border exchanges.



Transelectrica®
Societate Administrată în Sistem Dualist

Email: Monitorizare.Piata@transelectrica.ro

Fax: 021 3035630