



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

July 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

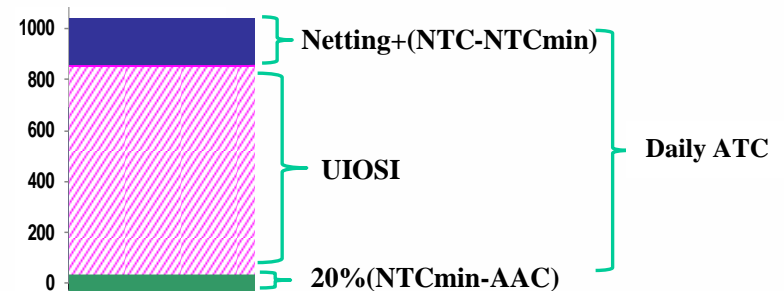


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According to the Commercial Code, Transelectrica, the Romanian Transmission System Operator, operates and monitors the activity of 3 types of markets: Balancing Market, Ancillary Services Market and Market for Allocation of Cross-Border Capacities.

Using the records from the markets data bases, Transelectrica prepares daily, weekly and monthly monitoring reports. A part of the data included in these reports (those data which are not confidential) 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.





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- 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 July, auctions were held as:
 - Import/export* Hungary: 01 – 31.07.2017;
 - import/export Bulgaria*: 01 – 31.07.2017;
 - import Serbia: 01 – 02.07.2017; 03.07.2017; 04.07.2017; 05 – 07.07.2017; 08 – 23.07.2017; 24 – 31.07.2017;
 - export Serbia: 01 – 05.07.2017; 06.07.2017; 07 – 09.07.2017; 10 – 14.07.2017; 15 – 16.07.2017; 17 – 21.07.2017; 22 – 30.07.2017; 31.07.2017;
 - import Ukraine: 01 – 02.07.2017; 04.07.2017; 08 – 09.07.2017; 10 – 16.07.2017; 17 – 21.07.2017; 22 – 30.07.2017; 31.07.2017.
- In July there were no auctions held on import direction from Moldavia. ATC was zero at monthly auction on export direction to Ukraine during the period 01 – 31.07.2017 and on import direction from Ukraine during the periods 03.07.2017 and 05 – 07.07.2017, due to full allocation of capacity at yearly auction.

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



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- Due to lack of request from participants, there was capacity not allocated at monthly auction as it follows:
 - on import direction from Serbia:
 - 261 MW during the periods 01 – 02.07.2017 and 04.07.2017;
 - 231 MW during the period 03.07.2017;
 - 241 MW during the period 05 – 07.07.2017;
 - 291 MW during the period 08 – 23.07.2017;
 - 21 during the period 24 – 31.07.2017.
 - Starting with 1st July 2017, in the Damas platform it was implemented the cross-border schedule (export and import) with nomination of code (Capacity Agreement Identification – CAI) associated to each capacity right, by the TSO who held the auctions (separately for yearly, monthly, daily and intraday rights).

Monthly auction Results of 01 – 31 July 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
01 - 05 July 2017	2.51	750	650	300	350	0	120	1264	120	470
06 July 2017	2.51	600	500	150	350	0	120	1264	120	470
07 - 09 July 2017	2.51	700	600	250	350	0	120	1264	120	470
10 - 14 July 2017	2.51	600	500	150	350	0	120	1264	120	470
15 - 21 July 2017	2.51	700	600	250	350	0	120	1264	120	470
22 - 26 July 2017	2.51	750	650	300	350	0	120	1264	120	470
27 July 2017	2.51	600	500	150	350	0	120	1264	120	470
28 - 30 July 2017	2.51	750	650	300	350	0	120	1264	120	470
31 July 2017	2.51	700	600	250	350	0	120	1264	120	470
Hungary import										
01 - 31 July 2017	0.11	800	700	351	349	0	280	849	280	629
Bulgaria export										
01 - 31 July 2017	0.52	350	250	150	100	-	120	421	120	220
Bulgaria import										
01 - 31 July 2017	2.05	400	300	200	100	-	160	603	160	260

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



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Market for Allocation of Cross-Border Capacities

Monthly auction Results of 01 – 31 July 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 05 July 2017	2.23	500	400	200	200	-	200	586	200	400
06 July 2017	2.63	400	300	100	200	-	100	476	100	300
07 - 09 July 2017	2.27	500	400	200	200	-	200	586	200	400
10 - 14 July 2017	2.63	400	300	100	200	-	100	481	100	300
15 - 16 July 2017	2.31	500	400	200	200	-	200	586	200	400
17 - 21 July 2017	2.63	450	350	150	200	-	150	534	150	350
22 - 30 July 2017	2.40	500	400	200	200	-	200	581	200	400
31 July 2017	2.63	400	300	100	200	-	100	466	100	300
Serbia import										
01 - 02 July 2017	0.00	800	700	550	150	-	550	289	289	439
03 July 2017	0.00	750	650	500	150	-	500	269	269	419
04 July 2017	0.00	800	700	550	150	-	550	289	289	439
05 - 07 July 2017	0.00	750	650	500	150	-	500	259	259	409
08 - 23 July 2017	0.00	800	700	550	150	-	550	259	259	409
24 - 31 July 2017	0.00	500	400	250	150	-	250	229	229	379
Ukraine export										
01 - 31 July 2017	-	150	50	0	50	-	0	-	-	50
Ukraine import										
01 - 02 July 2017	0.50	350	250	200	50	-	200	505	200	250
03 July 2017	-	150	50	0	50	-	0	-	-	50
04 July 2017	0.50	350	250	200	50	-	200	505	200	250
05 - 07 July 2017	-	150	50	0	50	-	0	-	-	50
08 - 09 July 2017	0.50	250	150	100	50	-	100	355	100	150
10 - 16 July 2017	0.50	350	250	200	50	-	200	505	200	250
17 - 21 July 2017	0.50	250	150	100	50	-	100	355	100	150
22 - 30 July 2017	0.50	350	250	200	50	-	200	515	200	250
31 July 2017	0.50	250	150	100	50	-	100	355	100	150
Moldavia export										
01 - 31 July 2017	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 30 July 2017	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 30 July 2017	-	-	-	-	-	-	-	-	-	-
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 30 July 2017	-	-	-	-	-	-	-	-	-	-
RO_Cioara	-	-	-	-	-	-	-	-	-	-

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

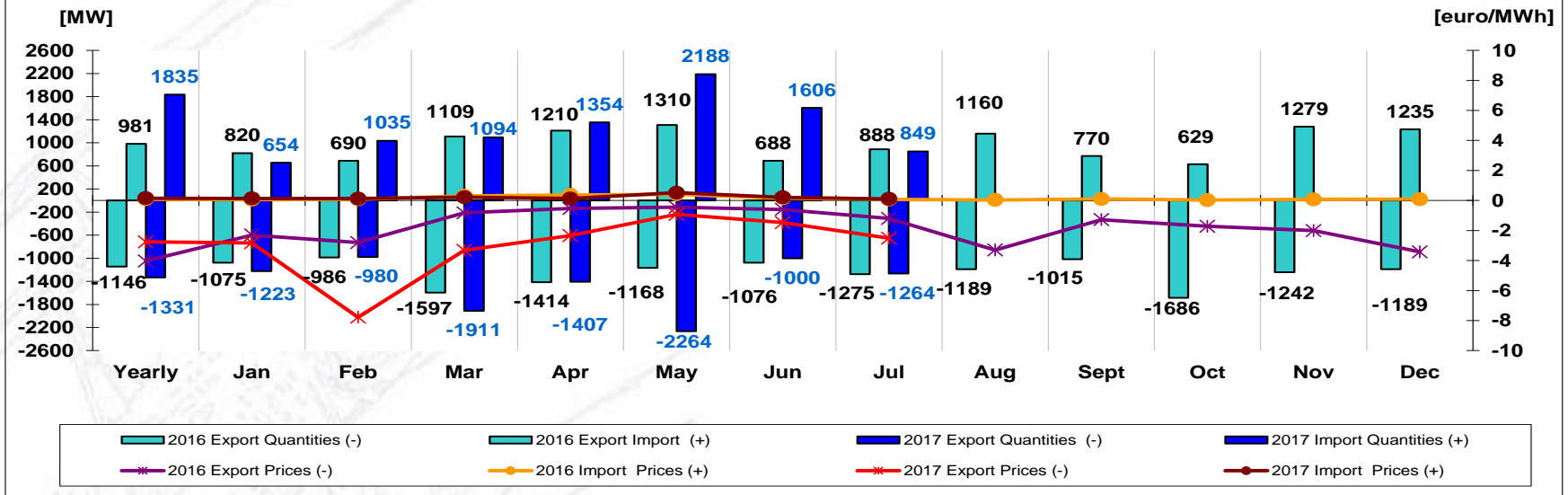


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Market for Allocation of Cross-Border Capacities

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	0.92	1.47	2.51					
Hungary import	0.15	0.14	0.13	0.22	0.13	0.52	0.21	0.11					

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

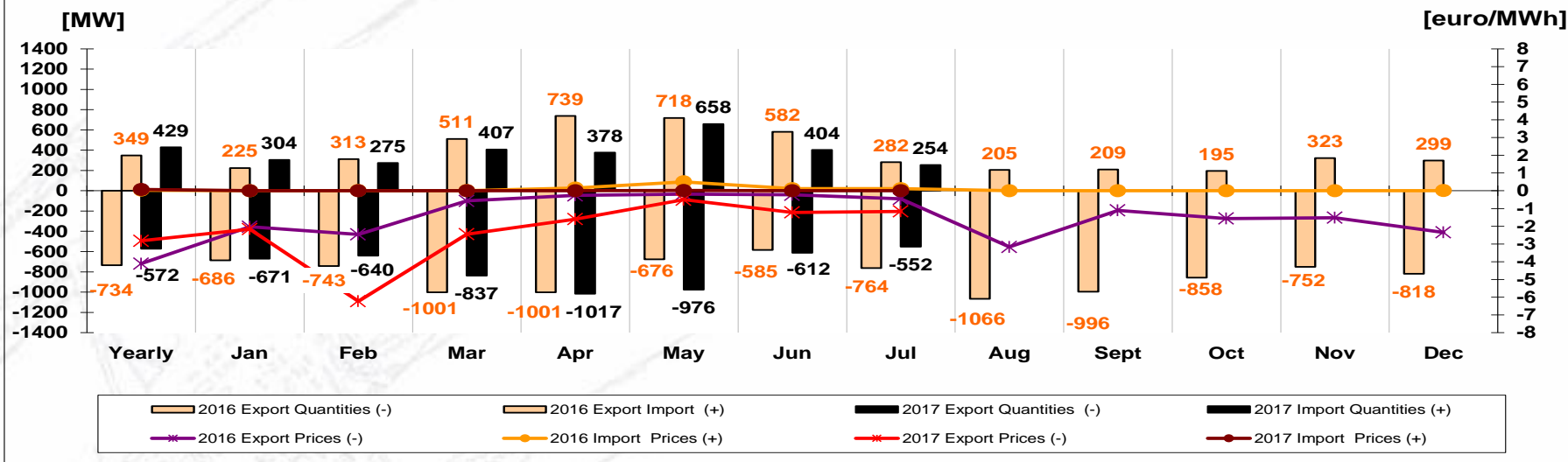
- Compared with previous year, in July 2017 the auction price increased while offered capacity and capacity request were lower. In July 2017 monthly auction price was still low on import direction.



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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	0.50	1.22	1.16					
Serbia import	0.07	0.00	0.00	0.00	0.00	0.01	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 July 2017 the auction price increased on export direction, while offered capacity and capacity request were lower. In July 2017 monthly auction price was zero on import direction.

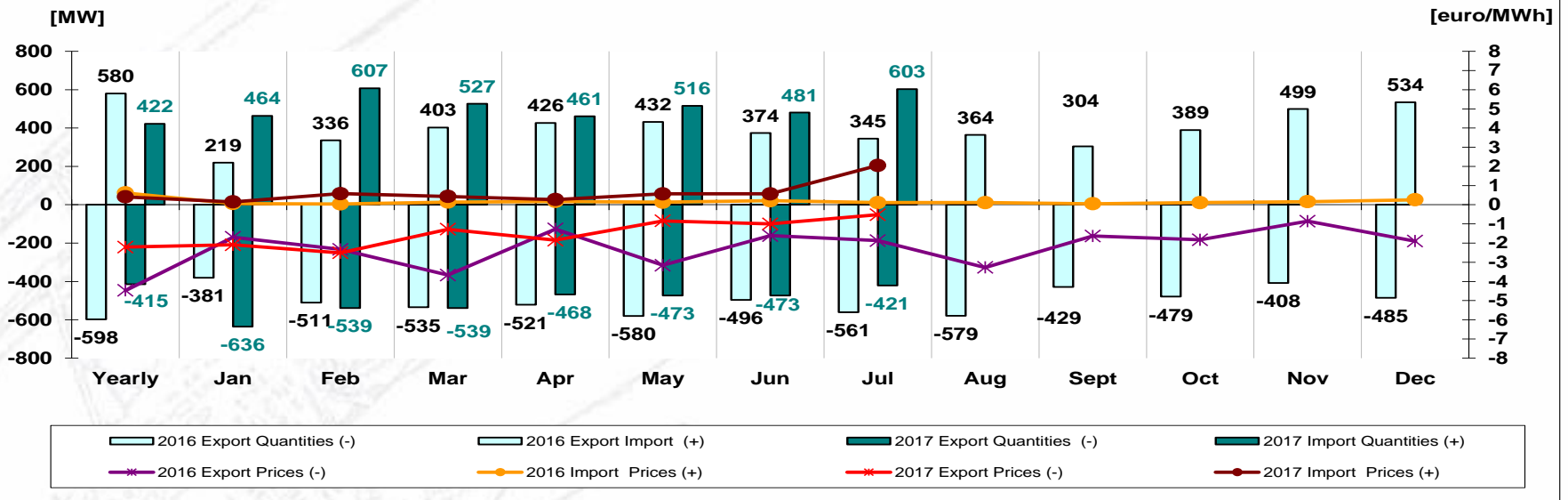


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Market for Allocation of Cross-Border Capacities

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	0.84	1.00	0.52					
Bulgaria import	0.41	0.15	0.58	0.43	0.27	0.57	0.57	2.05					

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

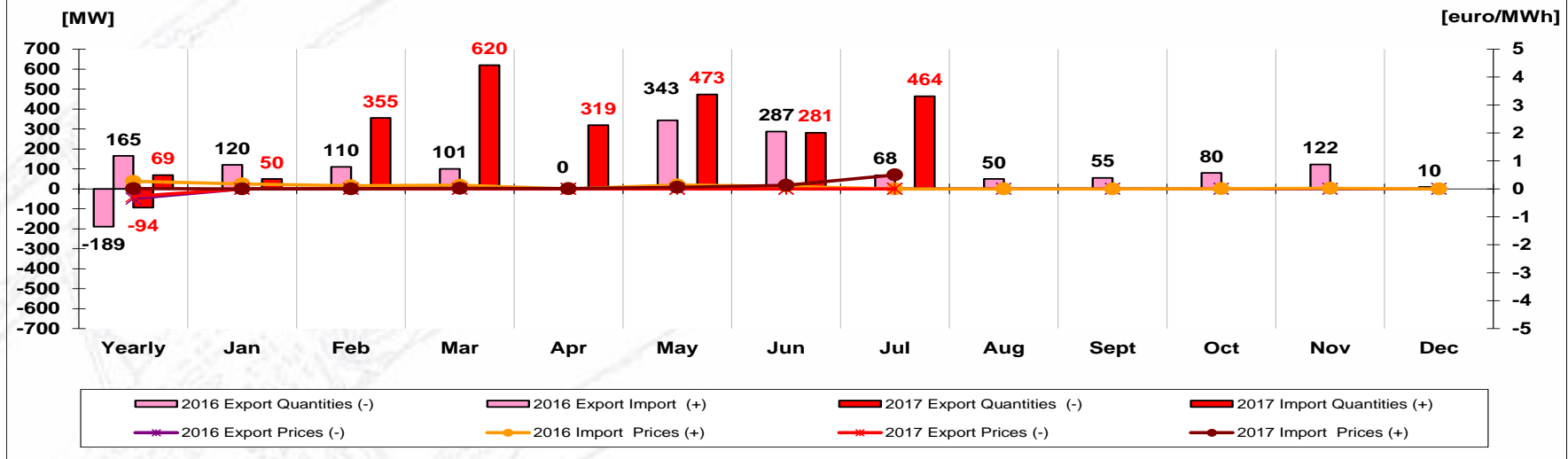
- Compared with the previous year, in July 2017 the auction price decreased on export direction, while offered capacity did not vary and capacity request was lower. Compared with previous months and with July 2016, on import direction auction prices significantly increased, while offered capacity did not vary and capacity request was higher.

Market for Allocation of Cross-Border Capacities



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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	0.00	0.02	0.01	0.06	0.13	0.50	-	-	-	-	-

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 July 2017 capacity request increased on import direction, while offered capacity was lower. Auction price was low on import direction. On export direction offered capacity was zero due to full allocation of capacity at yearly auction.

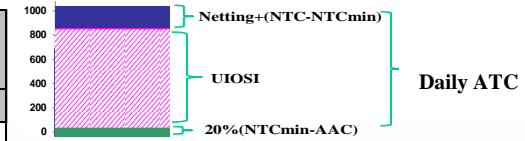
Market for Allocation of Cross-Border Capacities



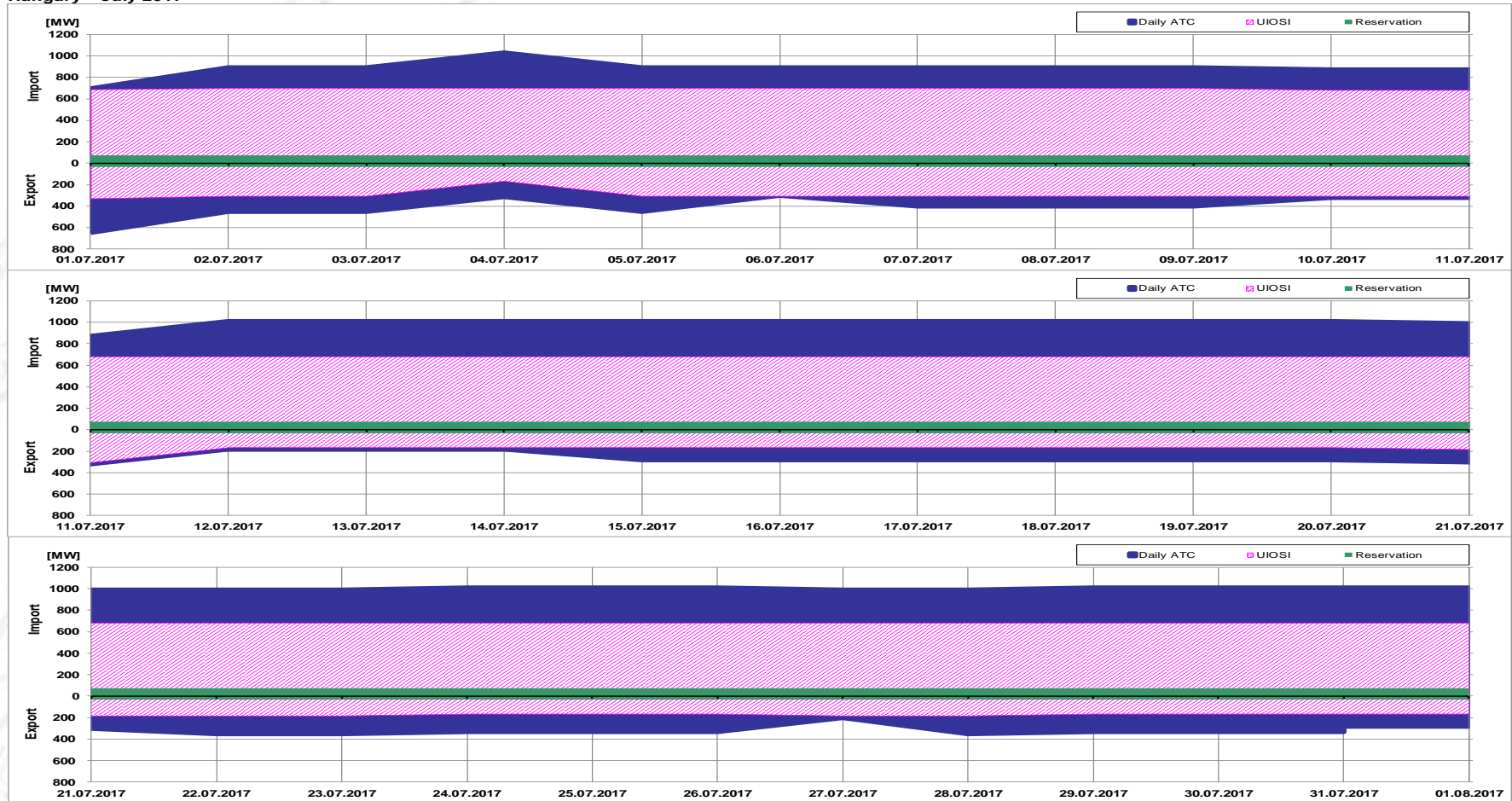
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Daily implicit Auctions on Romanian – Hungarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
30	71	184	614



Hungary July 2017



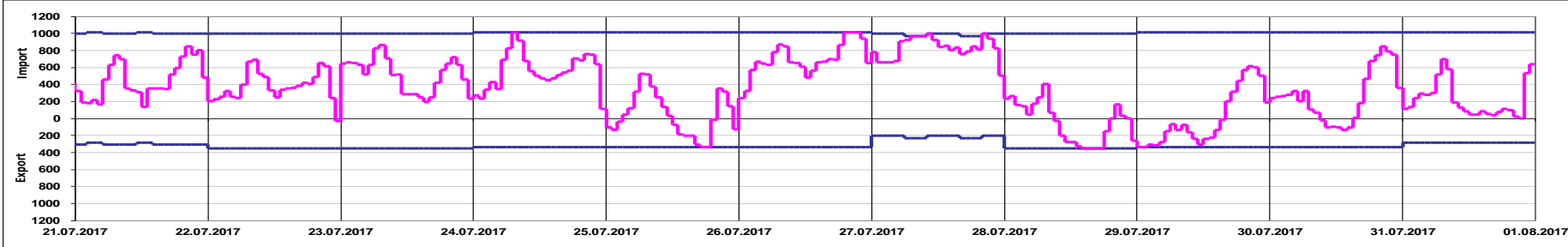
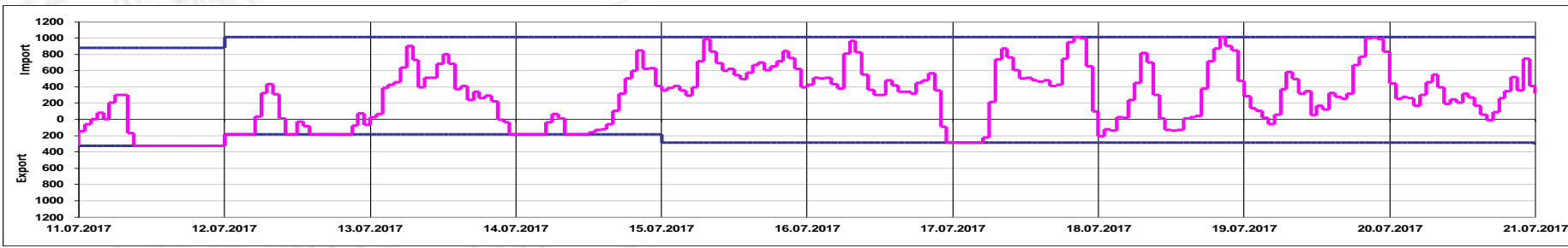
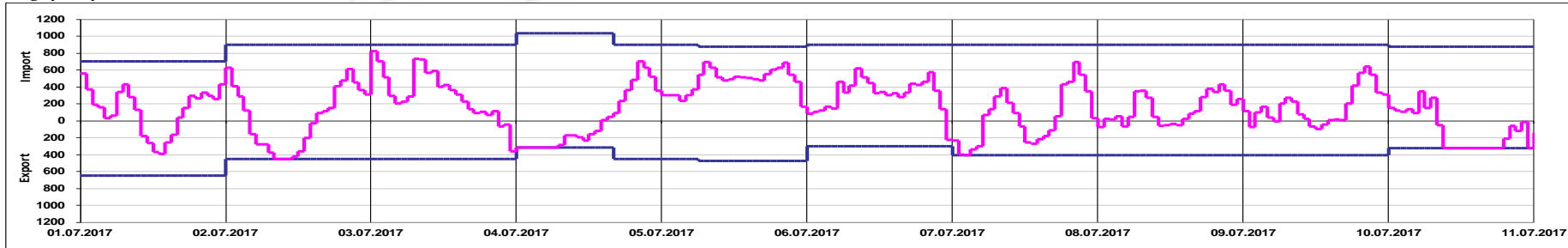


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Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Hungary July 2017



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public



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Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

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	43.97	39.98	30.77	26.15	24.88	25.00	31.35	42.23	50.33	50.33	50.00	45.27	43.60	36.92	36.00	40.42	44.54	44.90	46.55	48.37	48.60	50.33	45.15	41.35	50.33	
2	38.85	29.93	20.58	17.00	14.73	12.92	15.35	19.00	21.96	24.59	27.72	36.70	37.72	34.09	35.34	39.11	44.36	48.64	50.29	55.03	62.50	65.88	55.04	41.91	65.88	
3	31.59	27.66	25.35	24.43	23.20	26.58	35.94	45.32	51.86	52.48	52.07	56.44	57.90	55.09	53.96	49.68	50.15	40.06	42.06	42.90	49.96	48.99	46.05	34.52	57.90	
4	1.10	0.22	0.22	0.22	0.22	6.59	17.13	43.66	44.36	43.00	43.06	42.35	44.27	42.91	44.36	45.68	45.24	48.20	50.72	52.12	52.98	50.96	48.09	45.89	52.98	
5	43.24	34.17	32.08	30.82	30.51	32.92	44.10	52.62	56.34	57.82	56.63	57.45	57.87	56.63	55.98	55.03	56.63	56.63	54.82	56.38	56.63	56.63	51.53	43.33	57.87	
6	36.09	33.88	31.09	29.95	29.97	34.09	46.04	57.08	54.87	54.60	55.60	59.84	58.92	59.95	58.53	58.98	58.53	55.09	54.92	55.03	56.93	57.08	53.24	48.66	59.95	
7	42.99	32.00	28.78	29.59	29.00	30.96	38.62	52.07	55.94	60.61	68.68	69.55	74.13	73.69	73.69	74.03	74.13	73.69	68.83	71.73	69.55	68.68	60.07	51.23	74.13	
8	50.01	45.03	32.94	30.28	29.26	29.02	35.07	39.89	44.91	45.91	45.07	45.09	44.11	41.91	41.10	42.95	44.91	44.91	49.09	53.85	55.06	56.03	49.92	45.09	56.03	
9	42.40	41.42	31.20	30.05	29.61	28.78	29.40	42.86	45.97	49.92	58.90	59.96	60.61	59.96	59.96	62.57	65.40	64.75	63.06	64.75	68.67	70.07	62.57	51.50	70.07	
10	46.78	42.77	37.36	32.58	32.57	43.09	59.95	68.67	74.42	76.30	76.30	76.30	76.08	74.12	71.72	68.67	65.47	62.57	64.75	60.61	62.57	60.61	53.85	49.92	76.30	
11	50.95	46.89	42.61	41.07	41.03	43.09	52.00	62.99	73.90	73.69	68.67	64.75	60.61	56.03	49.92	46.56	40.33	36.63	40.33	49.92	62.57	60.61	49.92	28.12	73.90	
12	26.05	26.05	26.47	28.24	28.24	32.05	41.59	56.07	63.93	69.83	70.05	69.83	68.95	66.52	68.95	60.85	60.85	62.82	65.01	68.95	69.83	68.93	55.28	47.69	70.05	
13	49.26	43.54	31.04	31.09	33.27	43.50	50.13	65.02	75.54	72.24	72.16	69.93	69.83	69.83	72.24	71.30	73.99	72.24	73.99	72.65	76.11	72.24	52.03	26.05	76.11	
14	28.22	22.31	17.50	25.00	28.22	30.93	38.14	50.48	50.09	46.00	50.80	56.43	62.06	62.78	63.03	66.78	66.07	69.78	64.62	60.81	62.78	65.09	60.81	54.04	69.78	
15	52.38	45.31	33.95	32.99	32.83	36.44	39.08	47.05	53.86	58.74	60.34	58.33	58.74	54.79	51.85	50.19	47.94	46.26	48.04	47.03	53.03	54.58	50.19	39.63	60.34	
16	31.86	29.25	28.12	27.27	26.51	26.34	25.43	30.23	35.05	37.79	39.39	38.20	38.24	36.05	36.01	35.00	36.81	36.91	39.56	42.93	47.53	50.06	39.03	28.26	50.06	
17	28.92	19.72	15.34	15.34	15.34	26.58	36.44	45.24	50.93	50.93	48.94	48.99	50.91	48.48	50.83	51.78	51.92	51.52	52.56	56.30	65.07	59.08	52.73	36.77	65.07	
18	34.40	33.20	31.93	30.88	30.80	32.40	47.12	53.72	58.49	64.00	63.95	63.05	65.75	62.93	65.07	68.15	69.99	69.19	65.07	65.04	70.11	69.89	60.25	50.62	70.11	
19	45.07	39.90	29.49	28.78	29.05	32.78	39.96	58.96	71.15	74.09	70.15	76.50	75.00	74.99	71.94	74.53	75.52	75.43	70.31	72.12	70.54	69.99	60.01	51.07	76.50	
20	50.40	43.78	38.38	36.55	36.51	41.02	45.18	56.59	70.18	75.07	72.16	74.13	73.94	70.18	71.98	74.13	75.34	75.99	74.57	75.51	76.25	75.00	57.68	50.08	76.25	
21	51.62	44.63	40.91	39.40	40.31	42.78	47.33	56.92	67.91	76.10	74.43	75.96	77.06	71.67	71.85	70.73	72.02	69.37	65.87	67.99	70.05	70.05	54.30	51.23	77.06	
22	53.09	48.41	41.15	38.01	36.00	35.28	41.75	46.49	50.91	58.70	58.98	63.13	65.05	58.70	49.90	48.55	50.16	50.16	50.27	53.94	58.09	57.40	49.19	46.52	65.05	
23	49.08	44.02	41.46	40.92	41.10	37.55	38.92	44.63	52.26	60.78	60.78	56.44	56.41	54.22	54.00	58.60	60.95	52.26	52.26	54.22	60.05	62.75	55.03	45.06	62.75	
24	40.52	33.65	33.23	33.04	33.23	37.97	47.88	56.41	66.47	75.92	76.31	76.74	76.96	76.74	75.87	74.12	71.93	69.75	62.75	63.28	69.75	63.19	49.97	36.00	76.96	
25	33.40	31.83	30.00	28.23	28.54	31.08	36.47	46.53	50.07	51.13	48.65	48.94	49.50	46.07	48.63	49.50	38.98	36.86	37.82	45.26	52.07	53.11	45.78	41.54	53.11	
26	33.70	28.91	26.06	27.03	28.25	33.95	50.12	58.32	62.86	68.10	69.67	69.67	76.00	70.31	66.66	66.66	65.05	65.05	62.55	69.11	76.00	70.09	58.70	47.59	76.00	
27	49.09	47.05	43.56	41.13	41.51	43.84	51.03	63.78	73.69	73.69	72.12	74.53	76.73	73.96	73.69	70.15	69.96	67.07	60.94	60.63	62.60	60.68	53.95	50.90	76.73	
28	52.28	46.94	40.38	39.57	39.56	45.01	50.70	54.97	60.93	60.94	59.56	56.33	53.01	48.69	50.19	48.00	49.00	49.00	48.58	47.87	54.96	53.05	41.56	38.02	60.94	
29	26.06	26.06	24.66	23.98	24.04	24.74	31.08	42.30	48.92	51.94	51.95	52.96	53.06	51.35	51.63	51.95	53.97	58.04	63.92	65.05	72.72	72.06	57.94	48.65	72.72	
30	33.36	27.25	24.66	24.06	19.76	17.56	18.24	31.17	37.50	42.44	42.92	43.08	43.08	40.37	41.71	43.02	46.17	46.28	51.58	58.08	65.19	68.48	54.22	43.90	68.48	
31	34.36	31.30	29.93	28.02	29.22	38.03	43.41	61.02	75.00	82.09	80.12	81.36	82.31	82.09	81.22	81.49	82.31	80.91	83.41	83.41	83.41	87.58	87.58	76.61	54.00	87.58

Average **50.56 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	-	-	-	-	-	-	-	-	1.04	5.44	9.48	-	-	-	-	-	-	-	-	-	-	-	-	-	9.48
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
4	28.38	27.38	25.19	25.78	25.78	20.85	19.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.38
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
7	-	-	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	-	11.70	2.77	3.70	13.92	15.81	13.25	21.33	15.50	17.43	0.69	-	-	-	-	0.21	21.33
11	-	-	-	-	-	-	-	-	-	13.31	10.42	27.20	34.92	31.92	56.46	58.48	50.54	49.36	37.75	23.16	6.43	4.34	9.00	21.51	58.48
12	23.98	18.76	3.14	0.44	1.00	-	-	-	-	-	0.76	4.14	-	-	0.14	14.15	14.15	12.18	9.99	4.97	1.83	-	-	-	23.98
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.36	14.36
14	18.93	10.19	13.00	4.89	0.62	-	-	-	3.22	12.05	7.26	8.57	-	-	-	-	-	-	-	-	-	-	-	-	18.93
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.31	6.31
17	0.93	7.93	10.56	9.84	10.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.35	-	-	10.65
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17	-	-	-	2.17
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
24	-	-	-	-	-	-	-	2.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.06	1.40	-	-	-	-	-	3.06
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.16	18.90	13.17	-	-	18.90
27	-	-	-	-	-	-	11.75	9.42	1.59	4.12	-	-	-	-	-	-	-	-	-	2.29	-	-	-	-	11.75
28	-	-	-	-	-	-	-	-	-	-	-	-	-	5.93	8.18	9.12	5.92	-	-	-	-	-	-	-	9.12
29	22.07	5.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.07
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average 13.20 EUR/MWh

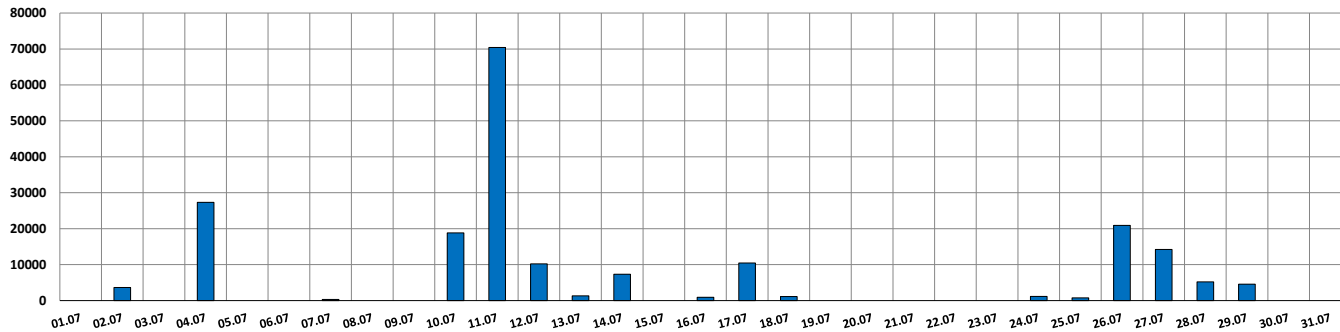
Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily implicit Auctions on Romanian – Hungarian border

Congestion Income RO



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.07	0	0
02.07	7246	3623
03.07	0	0
04.07	54652	27326
05.07	0	0
06.07	0	0
07.07	630	315
08.07	0	0
09.07	0	0
10.07	37684	18842
11.07	140875	70438
12.07	20391	10196
13.07	2671	1335
14.07	14644	7322
15.07	0	0
16.07	1805	902
17.07	20895	10448
18.07	2200	1100
19.07	0	0
20.07	0	0
21.07	0	0
22.07	0	0
23.07	0	0
24.07	2332	1166
25.07	1499	749
26.07	41807	20904
27.07	28426	14213
28.07	10377	5189
29.07	9099	4549
30.07	0	0
31.07	0	0
Total	397234	198617

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
312988	84247	222019	51290
397234		273308	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
123926	61963

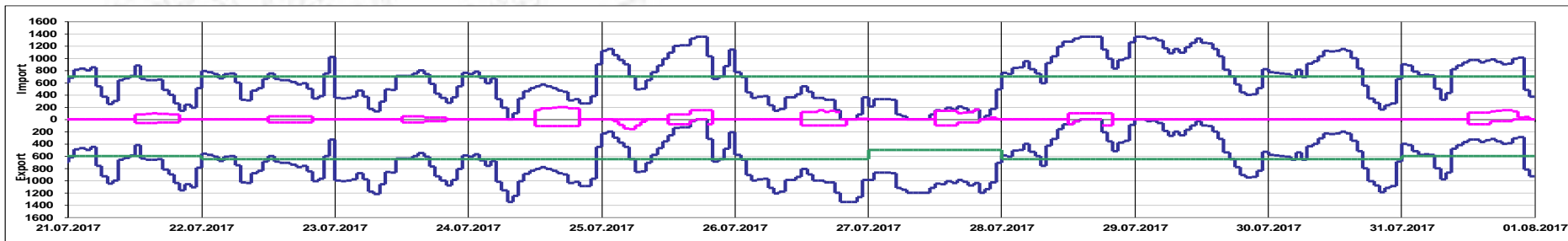
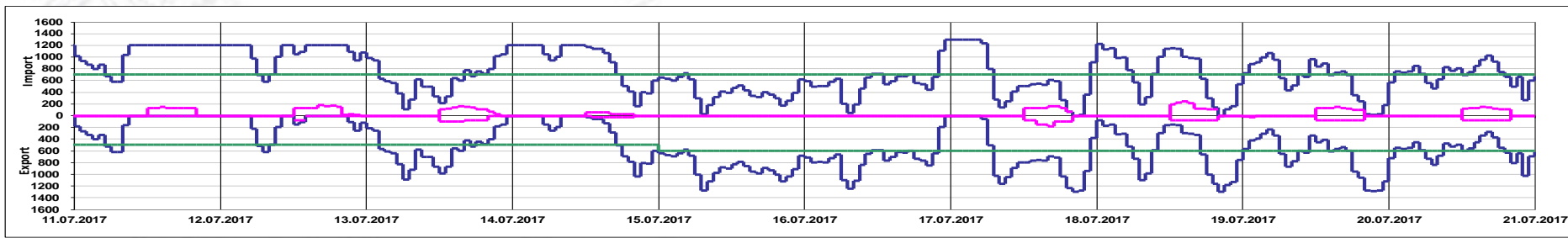
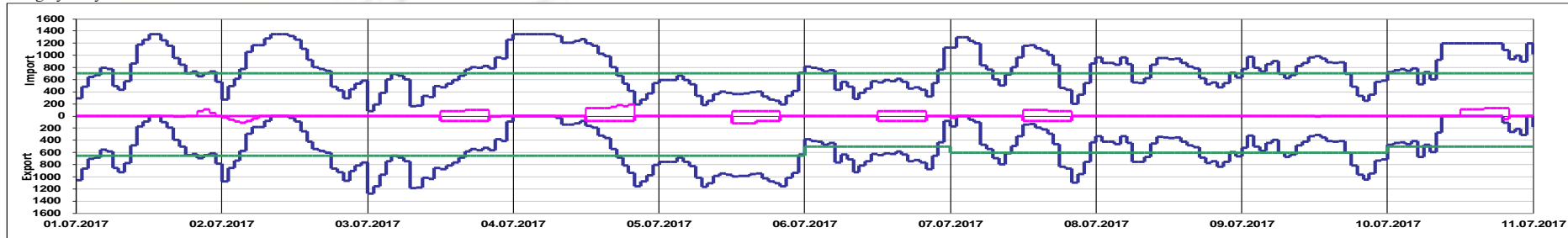


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Hungary July 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
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
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
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
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
11	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
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
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
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
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
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	0.01	0.01	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
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
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
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 July 2017

Public

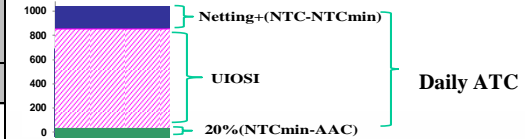
Market for Allocation of Cross-Border Capacities



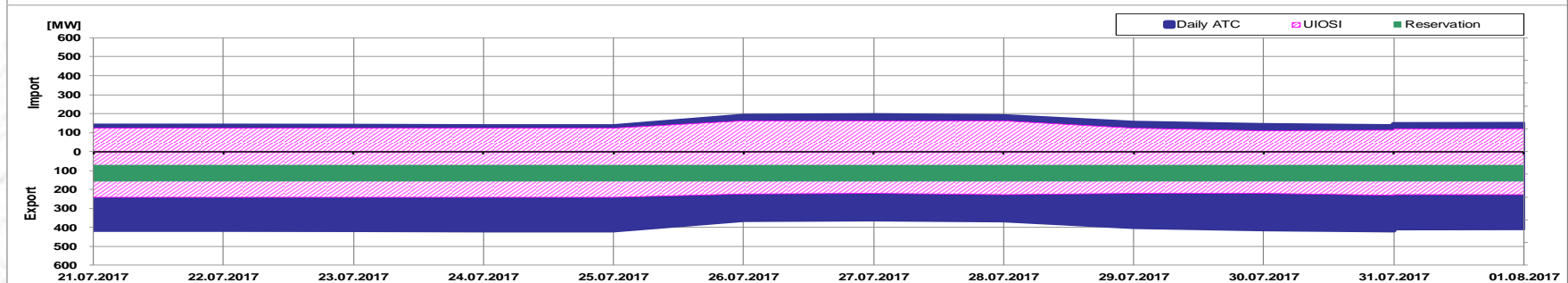
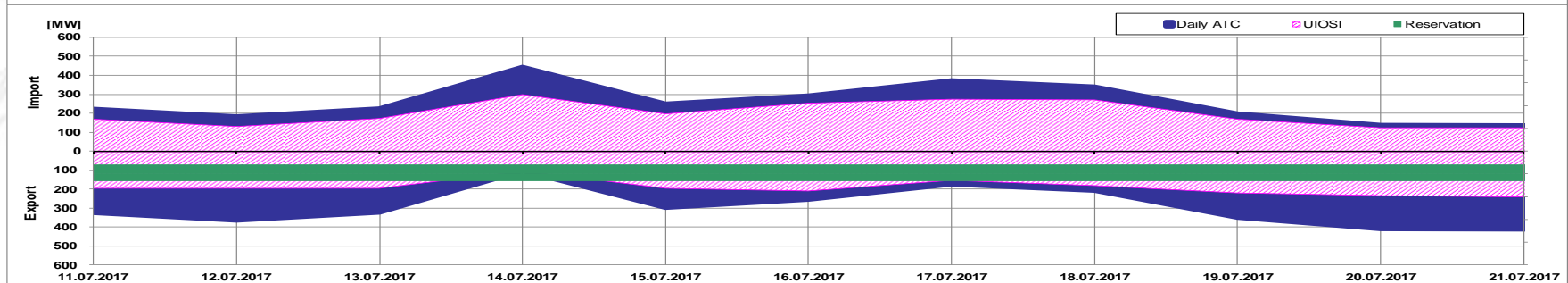
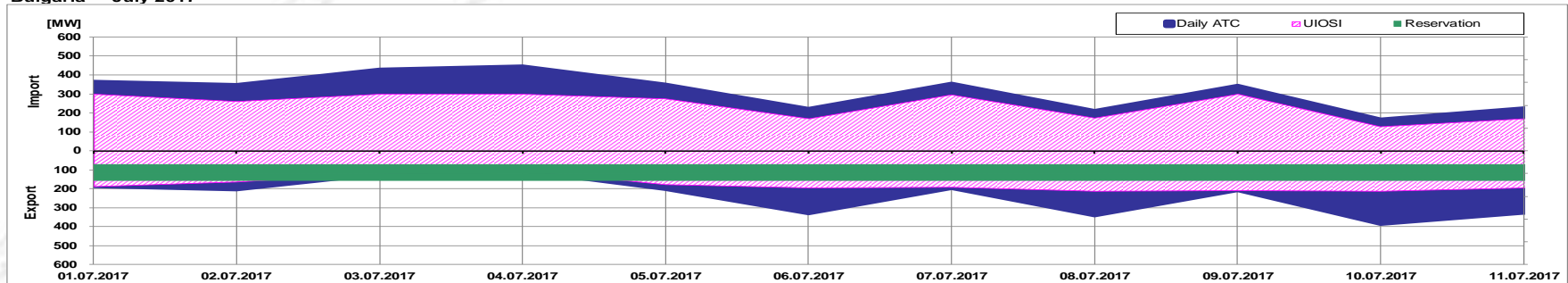
Transelectrica®
Societate Administrată în Sistem Dualist

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	180	140



Bulgaria July 2017



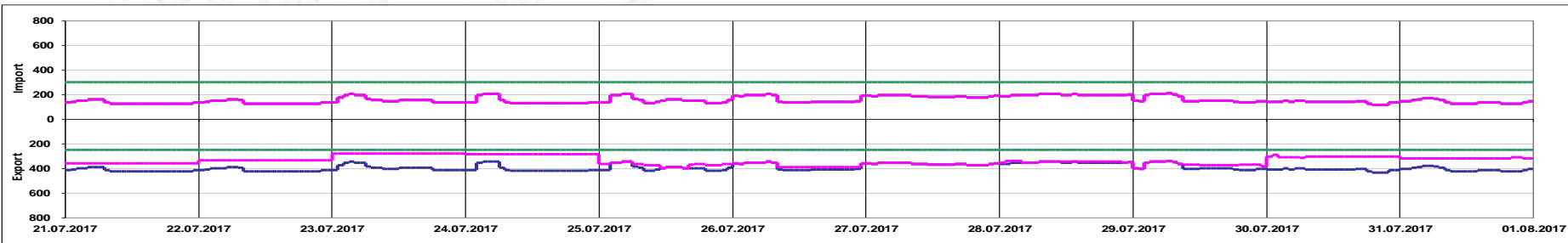
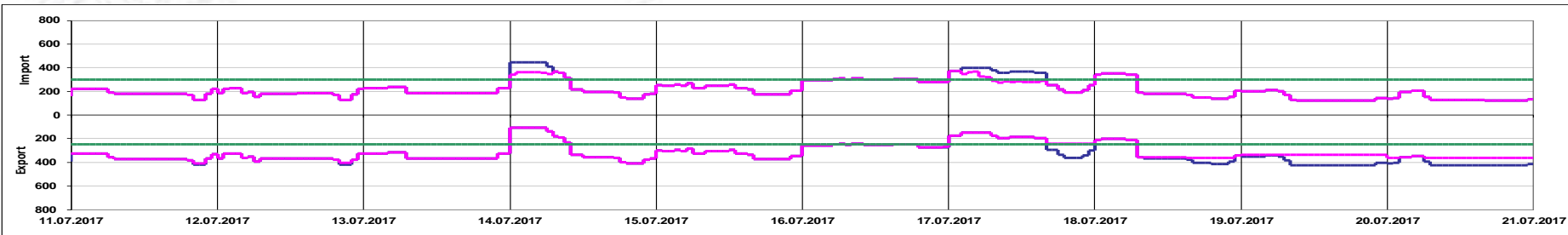
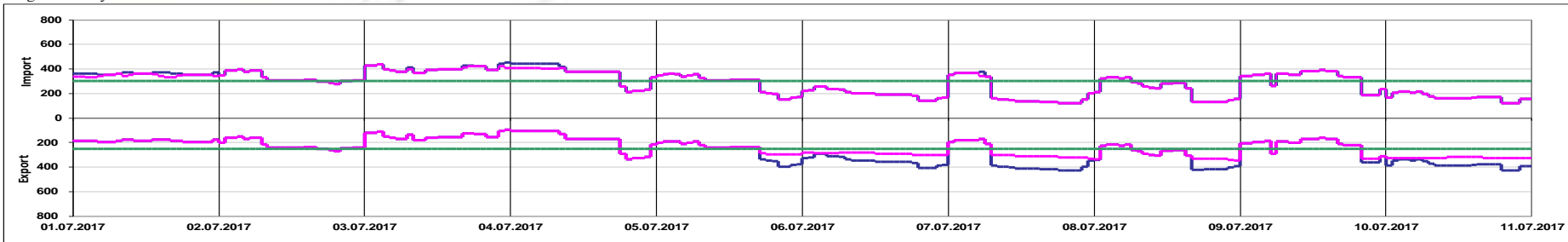


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border

Bulgaria July 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	0.06	0.06	0.06	0.06	0.04	0.04	0.04	0.05	0.07	0.18	1.00	1.55	3.66	5.43	3.65	3.00	1.00	0.80	0.80	0.80	0.80	0.75	0.59	0.67	5.43
2	0.16	0.16	0.16	0.69	0.69	0.69	0.69	0.69	0.36	0.36	0.36	0.27	0.27	0.36	0.36	0.25	0.25	0.19	0.19	0.25	0.25	0.25	0.25	0.25	0.69
3	0.24	0.24	0.33	0.24	0.24	0.21	0.21	2.56	1.64	2.07	2.53	2.30	3.36	3.29	4.97	5.67	3.21	3.21	3.21	3.21	3.26	2.53	4.30	5.67	5.67
4	4.18	4.18	4.18	4.18	4.18	3.86	2.10	2.10	1.88	2.00	2.00	1.40	1.40	1.32	1.32	1.32	1.32	1.12	0.28	0.07	0.07	0.07	0.07	0.20	4.18
5	0.03	0.03	0.05	0.05	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
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
7	0.30	0.47	0.47	0.47	0.40	0.41	0.15	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	0.47
8	0.00	0.05	0.07	0.07	0.05	0.06	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
9	0.11	0.11	0.11	0.11	0.11	0.05	0.11	0.11	0.11	0.11	0.16	0.16	0.16	0.16	0.16	0.16	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.03	0.16
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	0.05
12	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	0.05
13	0.07	0.07	0.10	0.10	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.11
14	6.27	10.11	10.11	10.11	7.31	4.74	1.43	0.47	0.70	0.11	0.10	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.03	0.00	0.00	0.00	0.05	0.03	10.11
15	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.10
16	0.07	0.07	0.07	0.07	0.07	0.07	0.11	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.07	0.07	0.07	0.07	0.17
17	0.07	0.07	0.26	0.26	0.26	0.26	0.26	0.07	0.05	0.05	0.07	0.07	0.07	0.07	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
18	0.20	0.84	0.84	0.84	0.20	0.13	0.13	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	0.03	0.84
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
20	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
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
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
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
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
25	0.00	0.00	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.33	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
26	0.04	0.03	0.03	0.01	0.03	0.04	0.05	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	0.03	0.05
27	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
28	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
29	0.11	0.24	0.61	0.61	0.61	0.61	0.16	0.03	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	0.00	0.00	0.00	0.61
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
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Bulgaria July 2017



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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	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.01	0.01	0.00	0.03
2	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.13	0.09	0.09	0.09	0.09	0.06	0.06	0.06	0.09	0.26	0.55	0.26	0.18	0.18	0.16	0.55
3	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.04	0.03	0.00	0.00	0.04
4	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	0.03	0.03	0.03	0.03	0.03	0.18	3.88	5.00	5.00	5.00	0.15	5.00
5	0.09	0.09	0.07	0.07	0.09	0.20	0.13	0.20	0.55	0.55	0.55	0.87	0.87	0.62	0.55	0.55	1.87	2.42	4.78	5.42	5.55	5.55	5.55	1.02	5.55
6	1.00	0.13	0.07	0.07	0.09	0.10	0.55	1.00	1.05	1.05	2.54	4.50	2.84	2.54	2.54	2.54	4.34	5.01	7.87	10.00	10.00	11.16	11.00	4.03	11.16
7	0.06	0.05	0.05	0.05	0.05	0.00	0.06	1.00	5.10	1.66	1.55	5.10	5.10	5.11	5.53	9.17	8.11	10.11	10.11	10.11	10.11	12.00	10.10	3.11	12.00
8	1.11	0.05	0.05	0.05	0.06	0.07	0.78	1.00	1.55	2.55	4.44	1.55	1.55	0.99	0.99	4.44	5.21	5.57	5.57	6.50	6.50	6.50	5.57	3.50	6.50
9	0.06	0.06	0.06	0.06	0.05	0.06	0.38	0.65	2.22	0.13	0.07	0.06	0.06	0.05	0.05	0.06	0.07	2.22	2.56	5.03	7.42	11.11	7.95	0.88	11.11
10	5.55	0.69	0.39	0.27	0.61	0.23	1.39	10.07	11.23	12.55	12.11	12.55	12.55	12.30	12.30	12.30	13.13	12.80	12.80	15.30	13.13	13.13	10.90	3.33	15.30
11	1.40	0.75	0.54	0.54	0.38	0.84	3.55	5.36	9.85	13.13	12.49	13.13	11.38	10.72	9.63	10.80	8.65	10.17	11.61	11.88	15.50	15.44	6.98	1.86	15.50
12	1.11	1.11	1.11	1.11	1.53	1.11	2.26	4.67	6.09	7.45	8.53	8.53	6.49	6.46	7.43	7.03	6.55	4.18	4.67	8.53	8.53	9.15	5.53	0.41	9.15
13	0.77	0.77	0.77	0.77	0.55	0.53	0.96	3.06	3.06	5.59	4.43	4.31	2.57	2.57	2.57	2.57	2.57	2.57	3.65	4.43	4.56	3.95	2.50	0.33	5.59
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.19	1.12	2.53	2.67	2.53	2.67	3.11	3.11	5.30	6.66	8.88	8.88	9.09	5.55	2.37	9.09
15	5.00	2.94	0.65	0.62	1.00	0.62	1.00	1.00	0.83	0.67	0.67	0.67	0.50	0.67	0.67	0.67	1.01	1.53	2.00	6.66	6.87	14.91	6.66	3.50	14.91
16	0.63	0.63	0.26	0.26	0.26	0.26	0.63	1.11	1.22	2.22	1.22	1.22	1.22	1.22	1.13	0.26	0.26	1.22	1.68	5.55	5.55	3.77	1.13	0.26	5.55
17	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.88	1.55	5.00	3.56	5.00	5.00	1.01	5.00
18	0.17	0.10	0.08	0.08	0.09	0.09	0.15	2.00	4.16	3.68	4.20	5.12	3.50	3.50	5.12	5.17	7.13	11.02	8.90	13.38	10.00	19.14	8.00	2.62	19.14
19	1.01	0.77	0.11	0.11	0.18	0.30	2.55	6.02	13.26	13.44	13.52	17.90	16.25	16.49	16.95	18.26	18.95	18.15	14.73	16.36	21.00	24.05	15.55	10.00	24.05
20	9.21	6.24	1.00	1.11	1.11	0.77	2.69	10.06	18.59	18.94	17.89	20.80	19.77	19.44	18.98	20.79	20.74	22.86	23.64	20.26	25.01	27.00	20.22	14.20	27.00
21	8.72	5.55	2.57	2.57	2.57	1.06	0.88	3.50	11.74	16.35	15.60	18.13	14.22	12.75	13.46	16.84	18.70	18.69	16.07	19.59	26.50	22.00	20.44	9.70	26.50
22	10.00	7.00	1.00	1.00	1.56	3.00	2.88	5.55	8.30	12.13	10.34	12.00	12.00	12.00	12.00	12.00	12.00	19.15	22.00	22.00	25.00	25.00	21.50	8.37	25.00
23	5.00	0.27	0.12	0.10	0.15	0.15	0.27	0.57	0.57	0.57	1.15	1.68	0.96	0.56	0.34	0.51	2.21	3.33	7.77	11.22	12.15	12.15	14.03	6.22	14.03
24	5.55	5.55	0.07	0.07	0.34	0.05	0.08	2.01	7.12	9.54	8.51	13.90	11.11	10.91	11.09	11.99	13.51	10.28	12.57	11.54	20.00	25.00	20.57	3.50	25.00
25	1.55	0.63	0.36	0.36	0.22	0.13	0.36	0.52	1.59	1.79	0.93	1.43	0.77	0.77	0.77	1.03	1.03	1.03	2.40	6.20	10.40	16.00	16.00	2.08	16.00
26	0.78	0.77	0.69	0.69	0.69	0.44	0.44	0.45	2.02	2.12	2.12	3.12	3.12	3.12	2.12	2.12	2.12	3.12	3.12	3.46	4.34	5.55	5.34	0.89	5.55
27	0.89	0.78	0.66	0.57	0.57	0.36	1.13	3.05	5.67	8.03	7.45	9.88	12.72	10.85	9.27	10.07	8.24	8.46	8.43	6.58	5.52	9.46	8.02	1.02	12.72
28	1.11	1.11	0.78	0.55	0.57	0.55	0.57	1.13	5.38	6.78	6.74	6.98	6.78	6.08	4.96	3.95	3.02	2.52	2.18	2.92	3.70	2.75	2.18	0.28	6.98
29	0.56	0.56	0.21	0.21	0.21	0.22	0.36	0.56	1.08	3.15	3.15	3.15	3.15	1.08	1.08	1.08	2.05	5.55	5.67	16.00	16.00	16.00	16.00	7.65	16.00
30	1.56	1.56	1.56	0.36	0.37	0.36	2.56	1.06	6.21	4.51	3.38	6.21	3.69	2.19	2.19	2.19	7.55	8.00	16.00	16.00	17.35	19.70	16.00	8.00	19.70
31	2.56	3.34	0.69	0.88	1.06	1.69	3.33	2.34	12.26	17.55	16.17	17.96	18.90	16.77	16.53	18.96	17.17	17.17	17.95	20.95	21.96	20.96	18.55	5.12	21.96

Bulgaria July 2017

Public

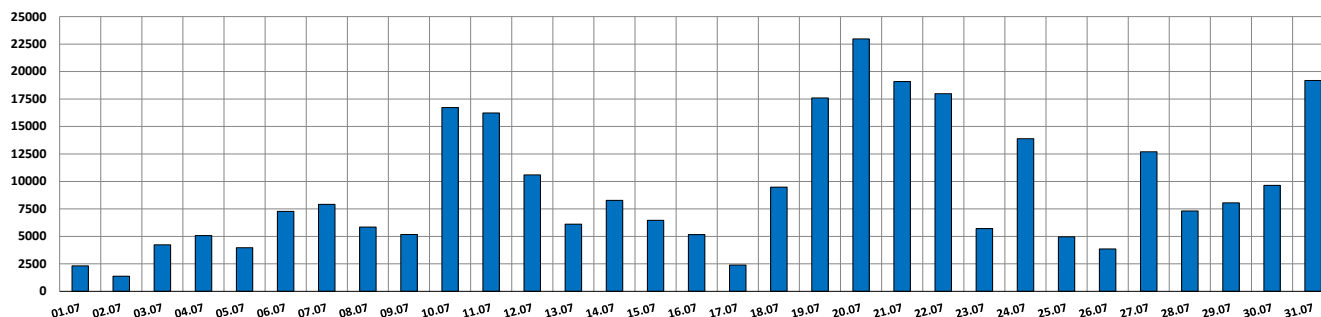
Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Allocation on Romanian – Bulgarian border

Congestion Income RO



Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.07	4638	2319
02.07	2743	1372
03.07	8463	4231
04.07	10142	5071
05.07	7935	3968
06.07	14549	7274
07.07	15840	7920
08.07	11693	5847
09.07	10341	5171
10.07	33438	16719
11.07	32459	16230
12.07	21196	10598
13.07	12226	6113
14.07	16550	8275
15.07	12919	6460
16.07	10328	5164
17.07	4772	2386
18.07	18953	9476
19.07	35204	17602
20.07	45952	22976
21.07	38183	19092
22.07	35982	17991
23.07	11425	5712
24.07	27773	13887
25.07	9928	4964
26.07	7720	3860
27.07	25389	12694
28.07	14634	7317
29.07	16107	8053
30.07	19296	9648
31.07	38379	19190
Total	575158	287579

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
33374	541784	23050	341309
575158		364359	

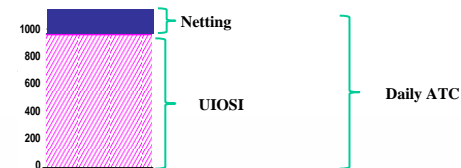
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
210799	105400

Market for Allocation of Cross-Border Capacities

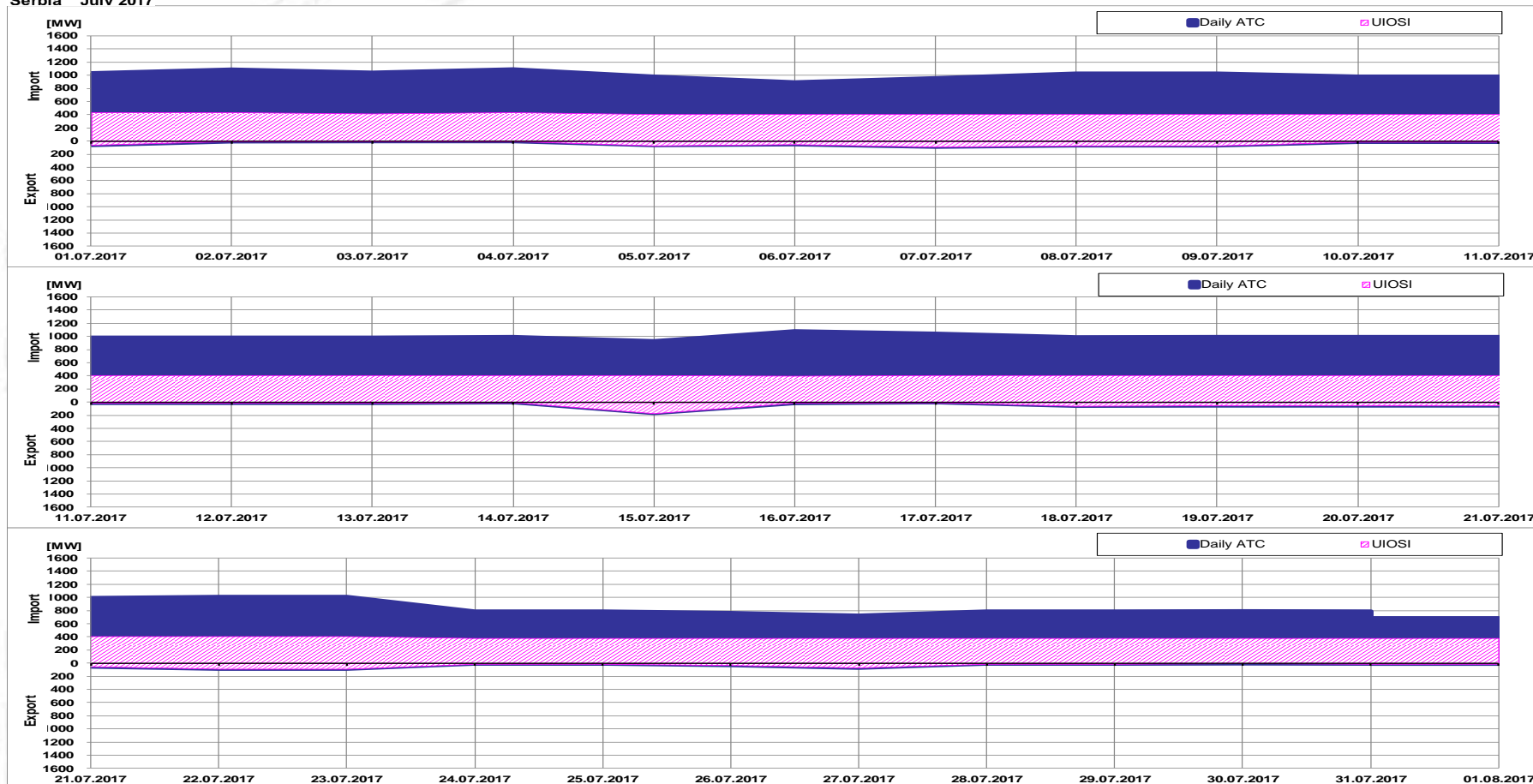


Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
39	404



Serbia Julv 2017

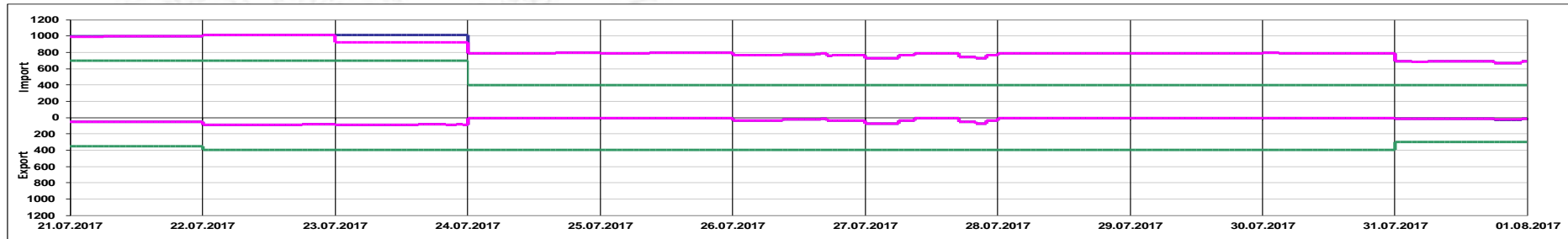
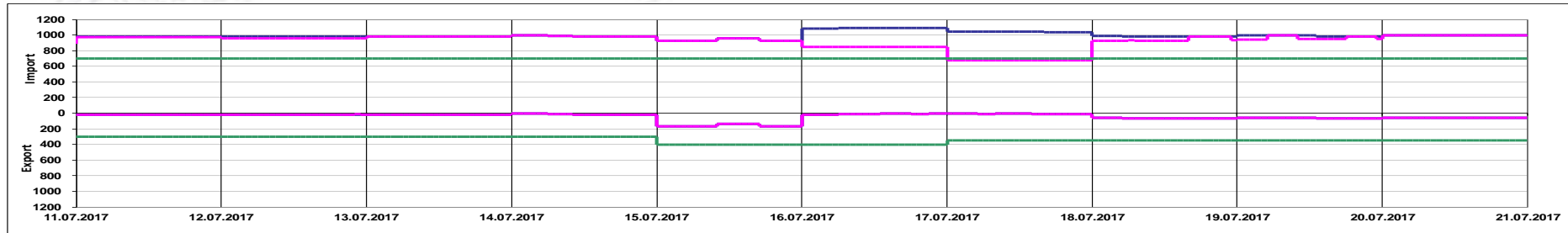
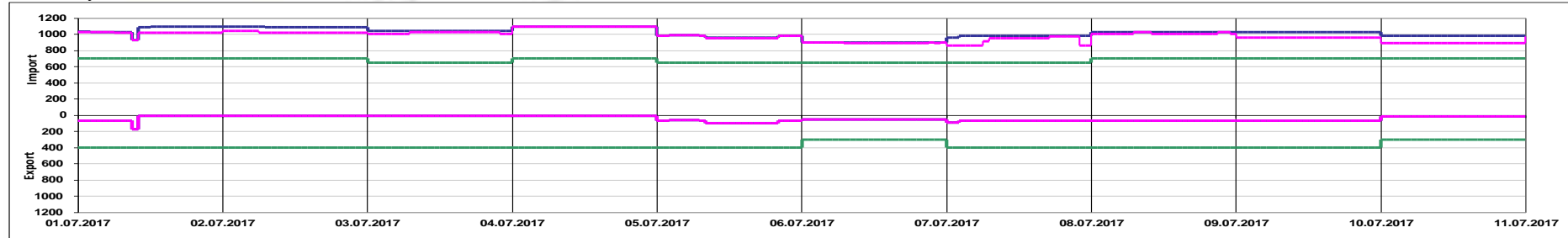




Transelectrica®
Societate Administrată în Sistem Dualist

Daily Auctions on Romanian – Serbian border

Serbia July 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	0.55	0.55	0.40	0.40	0.40	0.40	0.40	0.40	0.51	0.73	3.55	3.92	3.55	3.55	3.55	3.40	2.10	1.11	1.11	1.11	1.87	1.15	1.11	1.17	3.92
2	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
3	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
4	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	1.00
5	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.09	0.09	0.10
6	0.34	0.34	0.34	0.34	0.34	0.34	0.34	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	0.34	0.34	0.34	0.35
7	2.74	1.91	2.50	2.50	2.50	0.55	0.55	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.55	0.55	2.74
8	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
9	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
10	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.89	0.89	0.89	0.89	0.89
11	1.55	1.55	1.55	1.55	1.55	1.55	1.55	4.47	5.00	5.55	5.00	5.00	5.55	5.55	5.55	5.55	5.55	5.55	5.00	5.00	5.00	5.00	5.00	3.57	5.55
12	4.05	3.39	3.39	1.91	1.50	1.50	1.50	4.20	4.20	6.10	5.68	6.10	6.10	6.11	6.11	6.11	6.11	6.11	6.10	5.66	5.55	5.55	4.44	4.20	6.11
13	1.31	1.31	1.31	1.31	1.31	1.31	1.31	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	1.78	3.56	3.88
14	5.00	4.68	4.68	4.68	3.35	3.35	3.35	3.35	1.00	1.00	0.71	0.71	0.50	0.50	0.50	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	5.00
15	0.25	0.25	0.25	0.10	0.10	0.10	0.03	0.03	0.03	0.03	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.08	0.25
16	0.16	0.16	0.37	0.37	0.37	0.37	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.78	0.39	0.39	0.39	0.78	0.78	0.78	0.78
17	5.55	3.22	3.77	3.77	3.77	3.14	1.32	1.22	1.22	1.32	1.32	1.32	1.32	1.32	1.32	3.01	3.55	1.22	1.22	1.22	1.22	1.22	1.22	1.22	5.55
18	2.00	3.00	3.00	3.00	3.00	1.00	1.00	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	3.00
19	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.55
20	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
21	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
22	0.66	0.66	0.66	0.66	0.66	0.66	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.60	0.60	0.60	0.60	0.60	0.60	0.66
23	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.44	0.44	0.44	0.44	0.44	0.37	0.37	0.44	0.37	0.44
24	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.07	0.07	0.07	0.07	0.03	0.03	0.03	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
25	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.58	0.58	5.12	5.12	5.12	5.12	5.12	0.58	0.58	0.10	0.10	0.10	0.10	0.10	0.10	5.12
26	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.20	0.20	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.20
27	0.11	0.11	0.11	0.11	0.11	0.11	0.55	0.55	1.65	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.11	0.11	1.13	0.55	0.11	0.55	0.55	2.00
28	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.79	0.79	0.79	0.79	0.79	0.79	0.65	0.65	0.48	0.48	0.48	0.48	0.48	0.79
29	2.13	2.13	2.13	1.47	1.13	1.13	0.88	0.88	0.88	1.13	1.13	1.47	1.47	1.65	1.65	1.47	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	2.13
30	0.47	0.47	0.47	0.47	0.47	0.47	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.79
31	0.55	0.55	0.55	0.55	0.55	0.55	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.79

Serbia July 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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.05
6	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.03	0.02	0.05	0.05
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	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01
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	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
14	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	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.02
15	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	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	0.02
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
19	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
20	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
21	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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
22	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	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	0.02
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
25	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
26	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
27	0.02	0.02	0.02	0.02	0.07	0.07	0.05	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.07	
28	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	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	0.01	0.01	0.07	
29	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.02	0.02	0.05	
30	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31	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	0.12	0.12	0.12	0.12	0.12	0.07	0.12	0.12

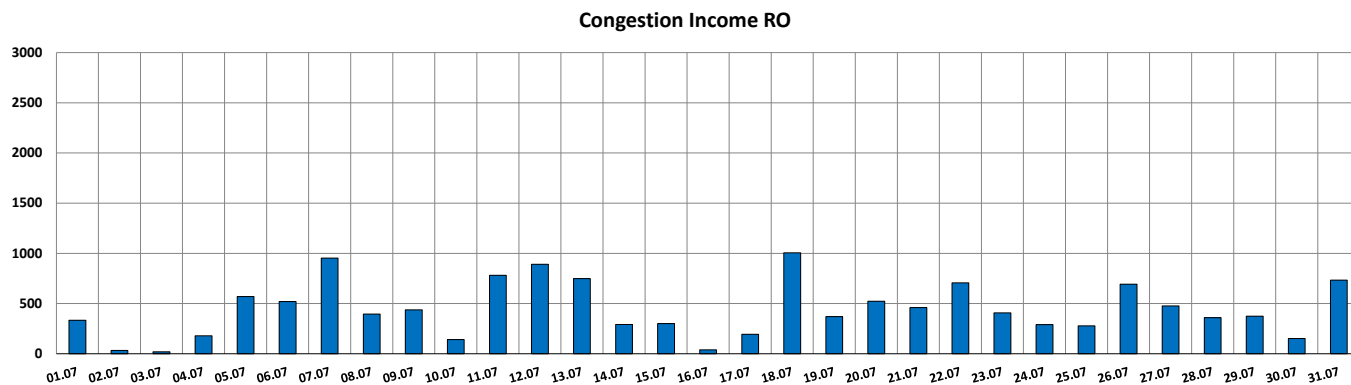
Serbia July 2017

Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Allocation on Romanian – Serbian border



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.07	666	333
02.07	65	33
03.07	37	19
04.07	358	179
05.07	1139	570
06.07	1039	520
07.07	1906	953
08.07	791	395
09.07	874	437
10.07	281	140
11.07	1564	782
12.07	1782	891
13.07	1498	749
14.07	584	292
15.07	602	301
16.07	78	39
17.07	386	193
18.07	2011	1006
19.07	739	369
20.07	1045	522
21.07	918	459
22.07	1414	707
23.07	815	407
24.07	579	289
25.07	554	277
26.07	1386	693
27.07	951	476
28.07	719	359
29.07	749	375
30.07	304	152
31.07	1466	733
Total	27299	13649

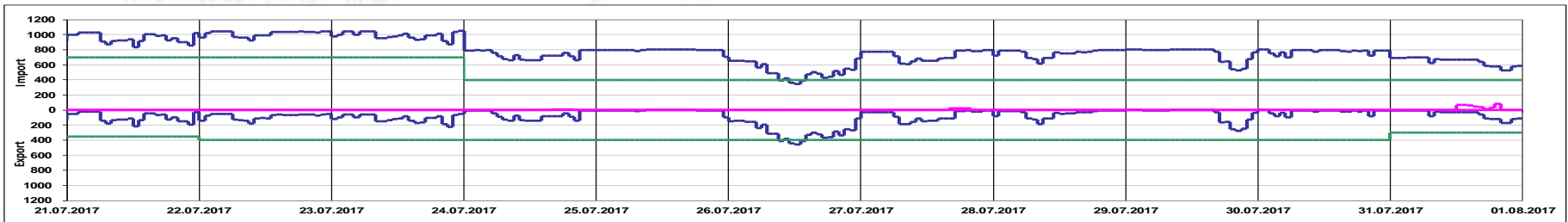
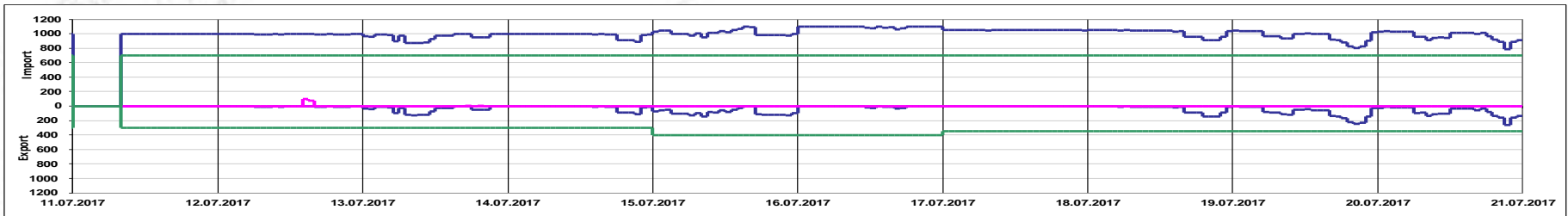
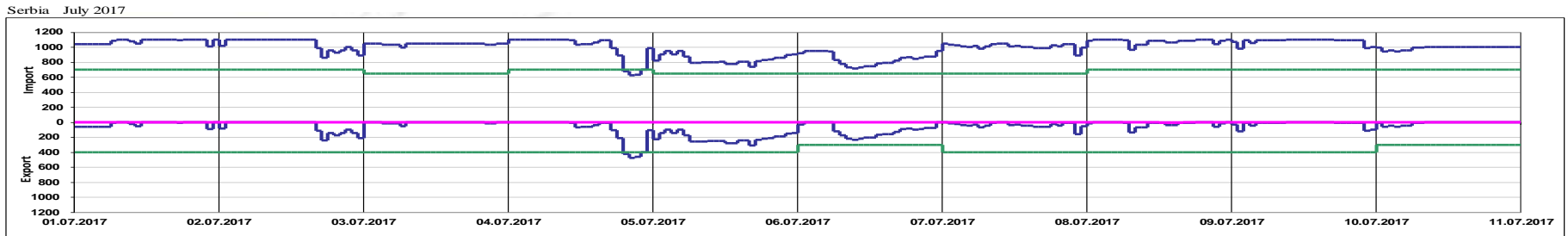
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
18359	8940	18327	4205
27299		22532	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
4767	2384



Transelectrica®
Societate Administrată în Sistem Dualist

Intraday Auctions on Romanian – Serbian border



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 auctions were canceled for 11.0.2017, sessions 1 (00:00 – 04:00) and 2 (04:00 – 08:00).



Transelectrica[®]
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

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
2	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
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
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
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
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
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
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
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	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
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
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	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
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
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
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
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
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
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
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
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
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
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
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
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
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 July 2017

Note: Due to technical issues on Serbian IT platform, intraday auctions were canceled for 11.0.2017, sessions 1 (00:00 – 04:00) and 2 (04:00 – 08:00).



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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 July 2017

Note: Due to technical issues on Serbian IT platform, intraday auctions were canceled for 11.0.2017, sessions 1 (00:00 – 04:00) and 2 (04:00 – 08:00).

Public

Market for Allocation of Cross-Border Capacities



Transelectrica®
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Statistics on Monthly Auction

July 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	31
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	25	
	Number of Capacity Holders	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Number of Bids	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Hungary import	Number of Capacity Traders	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	13	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	Number of Bids	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Bulgaria 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	15	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	Number of Bids	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
Bulgaria import	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	15	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	Number of Bids	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Serbia export	Number of Capacity Traders	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	13	13
	Number of Capacity Holders	8	8	8	8	8	5	8	8	8	5	5	5	5	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	5
	Number of Bids	51	51	51	51	51	48	51	51	51	49	49	49	49	49	51	51	49	49	49	49	49	50	50	50	50	50	50	50	50	49	5
Serbia import	Number of Capacity Traders	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Number of Capacity Holders	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Number of Bids	14	14	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14	14
Ukraine export	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine import	Number of Capacity Traders	10	10	-	10	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	10
	Number of Capacity Holders	4	4	-	4	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Number of Bids	23	23	-	21	-	-	-	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	24	24	24	24	24	24	24	24	20
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

July 2017	Maximum	Minimum
Number of Capacity Traders	25	6
Number of Capacity Holders	10	4
Number of Bids	129	14

Public

Market for Allocation of Cross-Border Capacities



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Statistics on Daily Auctions

July 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	31	
Serbia Export	Maximum Number of Capacity Traders	6	4	4	6	5	6	9	8	5	5	9	9	8	7	8	4	3	6	5	5	5	6	4	3	4	5	6	4	5	4	4	
	Maximum Number of Capacity Holders	3	2	2	2	3	3	3	3	3	3	3	3	3	3	5	3	3	3	3	3	3	3	3	3	3	3	3	5	2	3	3	4
	Maximum Number of Bids	15	5	4	7	14	13	19	13	12	10	15	15	14	9	15	10	9	10	11	10	10	13	9	4	5	8	10	6	9	5	5	
Serbia Import	Maximum Number of Capacity Traders	7	7	6	6	7	7	6	7	5	4	7	6	7	7	8	4	4	6	6	6	6	7	4	4	5	7	6	6	6	5	5	
	Maximum Number of Capacity Holders	7	6	6	6	7	7	6	7	5	4	7	6	7	7	7	4	4	6	6	6	6	7	4	4	5	7	6	6	6	5	5	
	Maximum Number of Bids	23	24	22	24	27	28	23	22	20	18	22	21	27	26	25	18	15	22	24	24	21	27	19	19	18	28	20	24	21	19	20	
Bulgaria Export	Maximum Number of Capacity Traders	6	5	4	9	7	7	8	7	6	4	7	7	7	10	8	4	4	8	7	7	7	7	3	4	7	8	7	6	8	3	4	
	Maximum Number of Capacity Holders	6	4	3	6	6	7	6	7	5	4	7	6	7	7	7	4	4	7	7	7	7	7	3	4	7	7	6	6	8	3	4	
	Maximum Number of Bids	19	18	16	21	18	15	16	15	14	12	15	15	16	19	18	11	10	21	18	16	16	16	12	13	20	17	17	14	19	10	12	
Bulgaria Import	Maximum Number of Capacity Traders	8	6	5	10	11	11	11	11	9	10	12	11	11	11	11	8	7	12	13	14	12	13	8	9	10	11	11	11	8	8		
	Maximum Number of Capacity Holders	8	5	5	7	9	9	8	8	8	8	7	8	8	8	8	7	6	8	8	7	9	6	7	7	6	8	6	8	7	5	6	
	Maximum Number of Bids	20	18	17	23	31	28	26	26	22	29	32	30	31	29	31	22	20	30	33	35	36	34	24	27	26	30	31	29	28	19	19	

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

Market for Allocation of Cross-Border Capacities



Statistics on Intraday Auctions

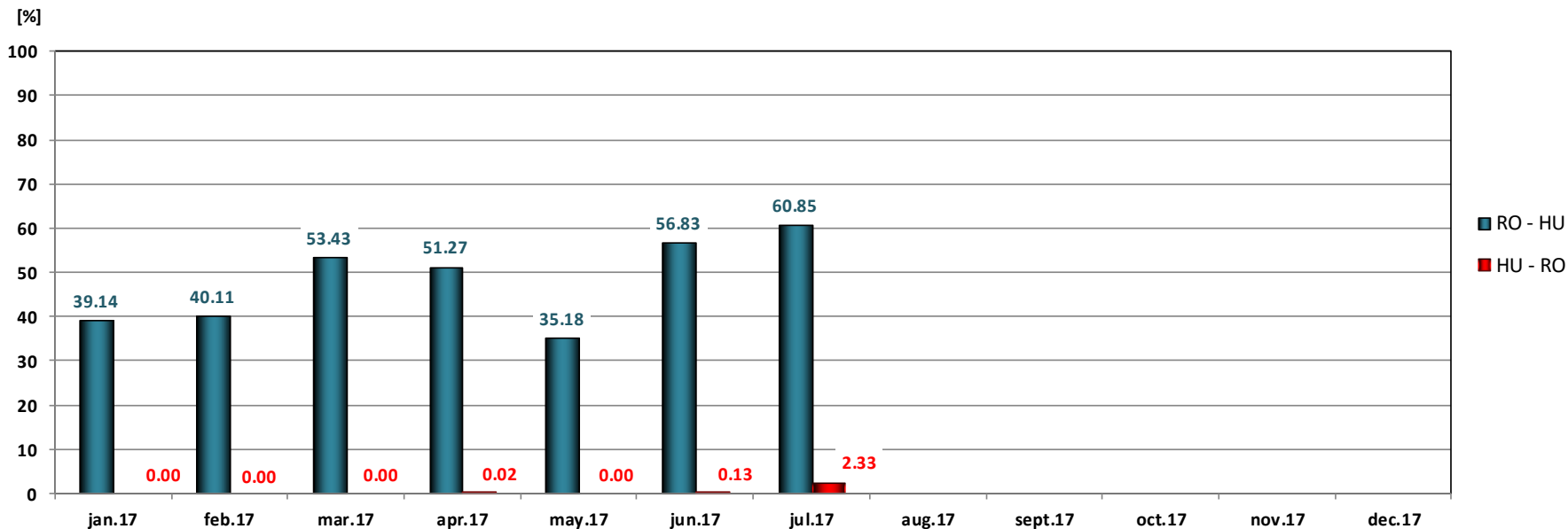
July 2017	Intraday Auction	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Hungary Export	Maximum Number of Capacity Traders	1	1	2	2	2	2	2	1	1	2	0	2	3	1	0	0	4	2	2	2	1	1	1	3	3	2	2	2	0	0	2
	Maximum Number of Capacity Holders	1	1	2	2	2	2	2	1	1	1	-	2	3	1	-	-	4	2	2	2	1	1	1	3	2	2	2	2	-	-	2
Hungary Import	Maximum Number of Capacity Traders	1	0	3	3	2	2	3	0	0	3	4	4	3	2	0	0	4	4	3	3	2	1	2	5	3	4	3	2	0	0	3
	Maximum Number of Capacity Holders	1	-	3	3	2	2	3	-	-	3	4	4	3	2	-	-	4	4	3	3	2	1	1	5	3	4	3	2	-	-	3
Serbia Export	Maximum Number of Capacity Traders	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Maximum Number of Capacity Holders	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Serbia Import	Maximum Number of Capacity Traders	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1
	Maximum Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	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



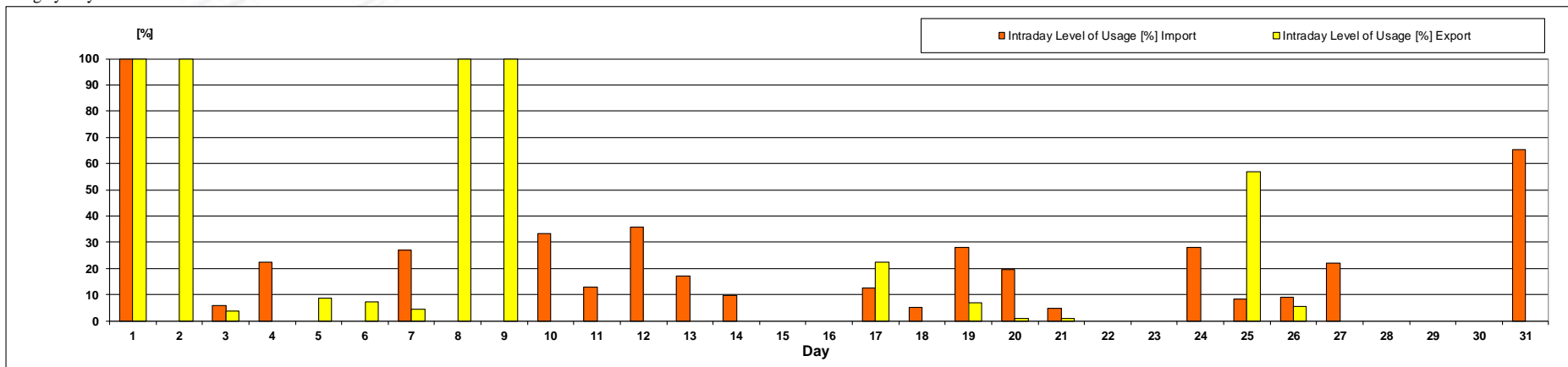
CET

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: 48.12 % on export direction and 0.35 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary July 2017



Intraday Level of Usage [%]

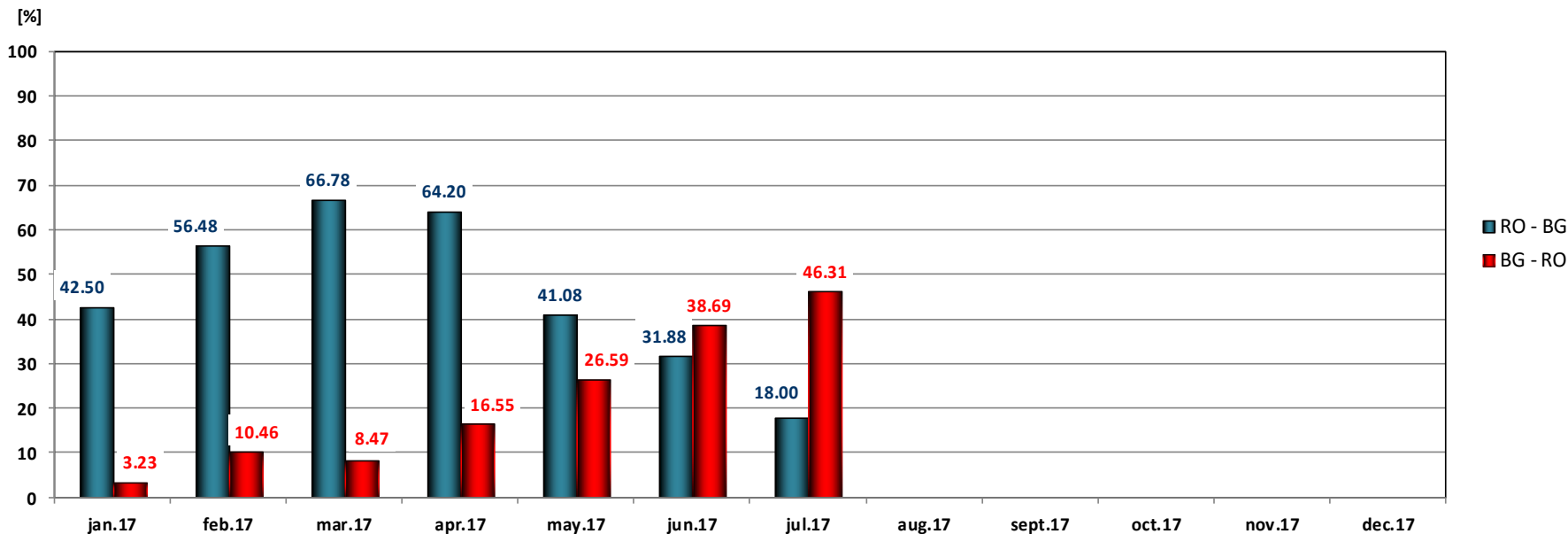
July 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	100.00	-	5.69	22.20	0.00	0.00	26.90	-	-	33.44	12.74	35.62	17.21	9.72	-	-	12.37	5.11	27.98	19.38	4.92	0.00	0.00	27.83	8.15	8.87	22.11	0.00	-	-	65.33
Export	100.00	100.00	3.76	0.00	8.75	7.19	4.48	100.00	100.00	0.00	-	0.00	0.00	0.00	-	-	22.31	0.00	6.98	0.94	0.91	0.00	0.00	0.00	57.01	5.50	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 19.74 [%]
- Export 11.53 [%]

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

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

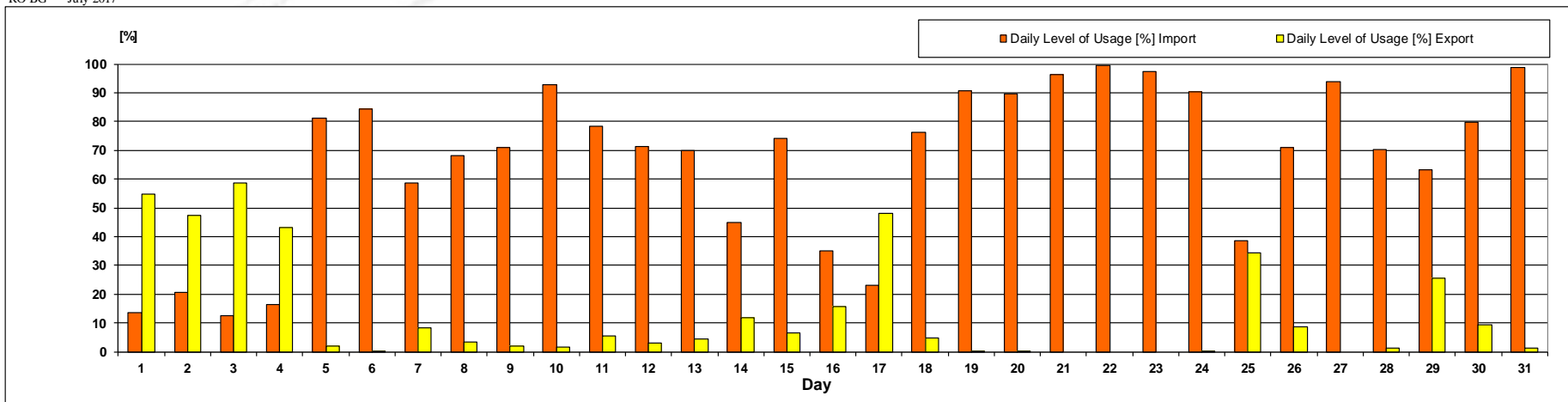


CET

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: 45.85 % on export direction and 21.47 % on import direction.

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

RO-BG July 2017



Daily Level of Usage [%]

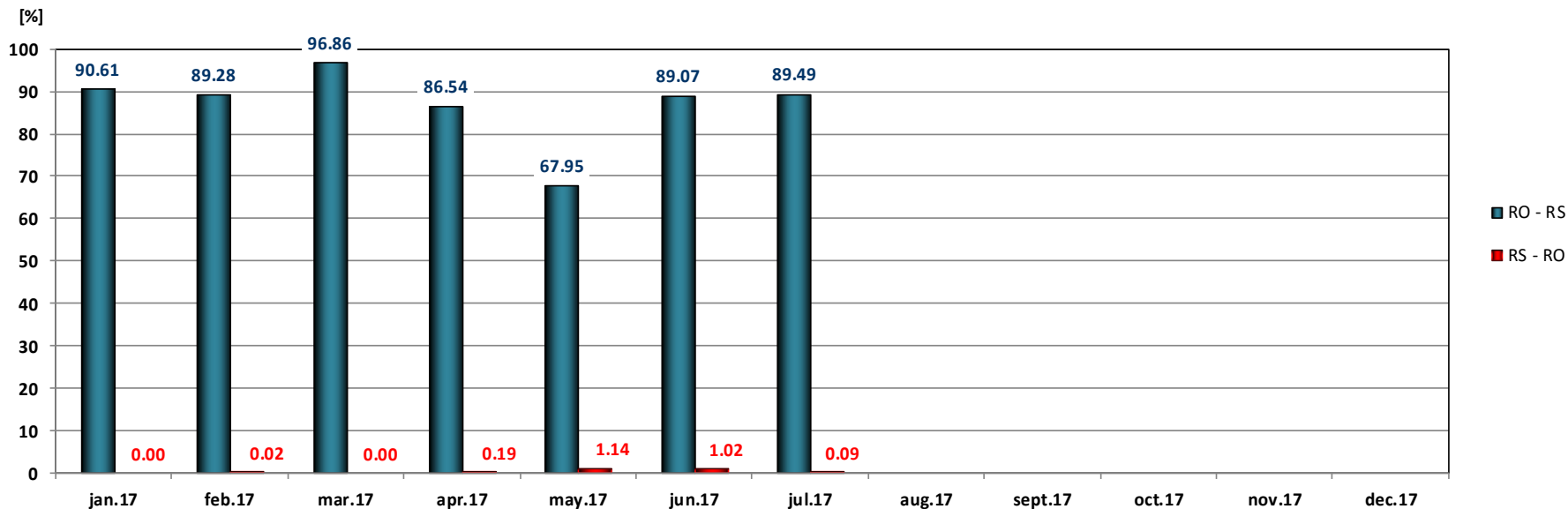
July 2017	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	13.71	20.64	12.61	16.45	81.11	84.17	58.53	67.97	71.09	92.64	78.19	71.24	69.86	44.79	74.04	35.14	22.89	76.11	90.55	89.71	96.17	99.35	97.24	90.49	38.60	70.80	93.76	70.32	63.07	79.78	98.84
Export	54.77	47.26	58.62	43.18	1.93	0.29	8.21	3.35	2.04	1.43	5.45	3.16	4.32	11.85	6.65	15.70	48.07	4.58	0.22	0.10	0.00	0.00	0.00	0.19	34.30	8.53	0.00	1.21	25.58	9.46	1.08

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 59.29 [%]
- Export 10.40 [%]

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

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

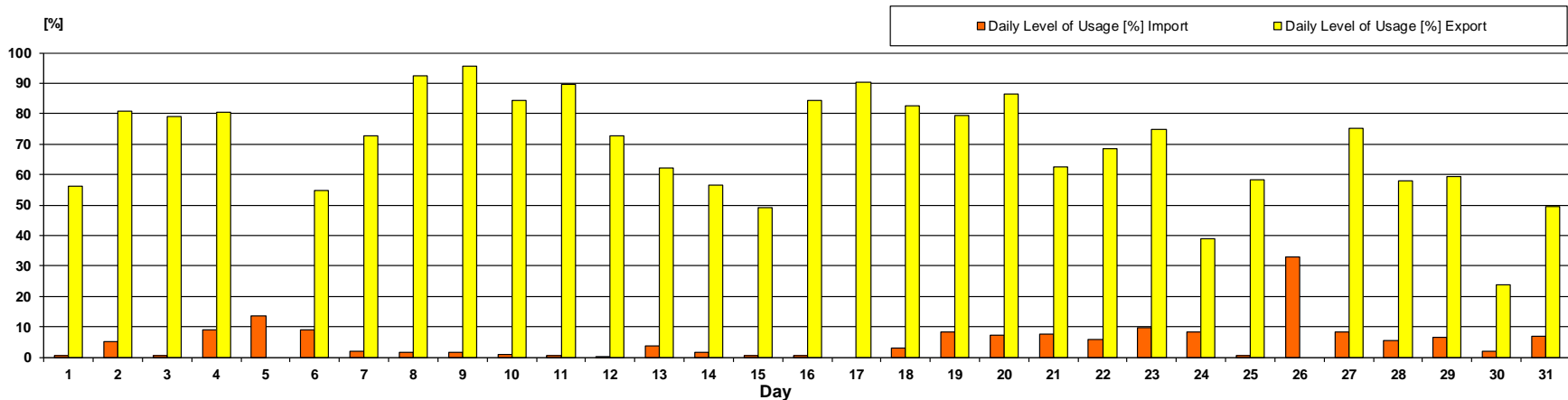


CET

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: 87.12 % on export direction and 0.35 % on import direction.

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

Serbia July 2017



Daily Level of Usage [%]

July 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	31
Import	0.59	5.26	0.43	9.15	13.55	9.13	1.98	1.50	1.64	0.98	0.59	0.07	3.79	1.46	0.59	0.57	0.00	2.86	8.10	7.38	7.63	5.72	9.77	8.15	0.57	33.04	8.32	5.39	6.39	1.85	6.90
Export	56.12	80.80	79.17	80.56	0.00	54.72	72.85	92.32	95.71	84.38	89.58	72.58	62.24	56.62	49.13	84.23	90.36	82.74	79.37	86.38	62.50	68.57	74.69	38.84	58.20	0.00	75.15	57.95	59.32	23.81	49.34

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:

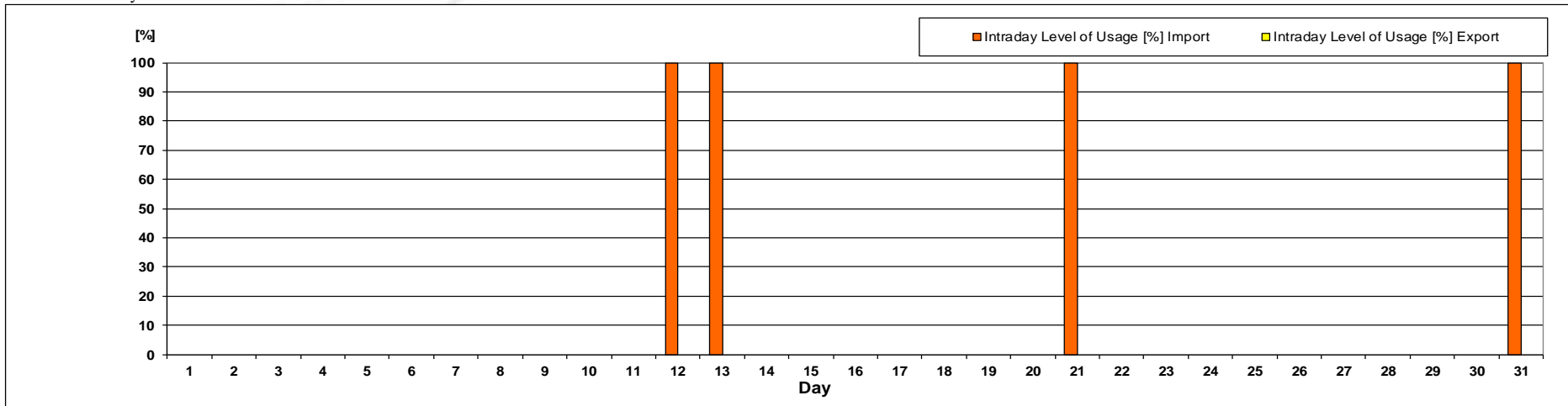
- Import 5.14 [%]
- Export 64.11 [%]

Market for Allocation of Cross-Border Capacities



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

Serbia July 2017



Intraday Level of Usage [%]

July 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	31
Import	-	-	-	-	-	-	-	-	-	-	-	100.00	100.00	-	-	-	-	-	-	-	100.00	-	-	0.00	-	-	0.00	-	-	-	100.00
Export	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

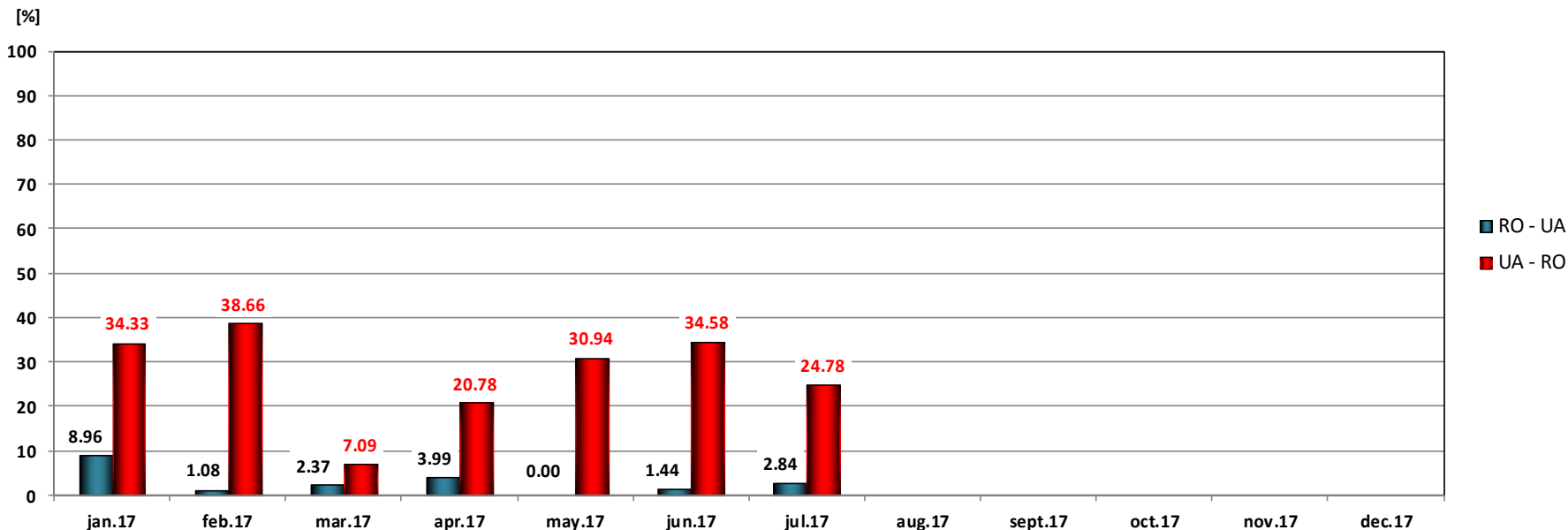
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 85.40 [%]
- Export 0 [%]

Long term Auction on Romanian – Ukrainian border

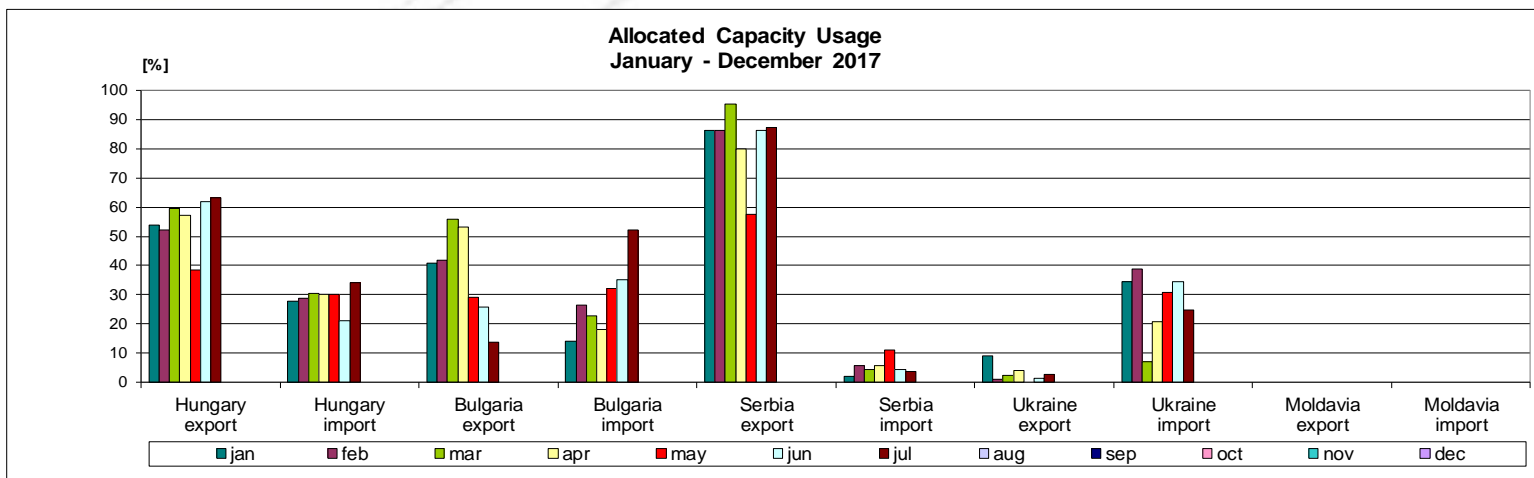
Usage Level of Allocated Capacity

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.



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	38.37	30.22	29.29	32.12	57.44	11.13	0.00	30.94	-	-
jun	61.76	21.02	25.92	35.16	86.38	4.31	1.44	34.58	-	-
jul	63.06	34.20	13.63	52.20	87.06	3.64	2.84	24.78	-	-
aug										
sep										
oct										
nov										
dec										
average	55.15	28.98	37.23	28.71	82.65	5.33	2.95	27.31	-	-

Type B

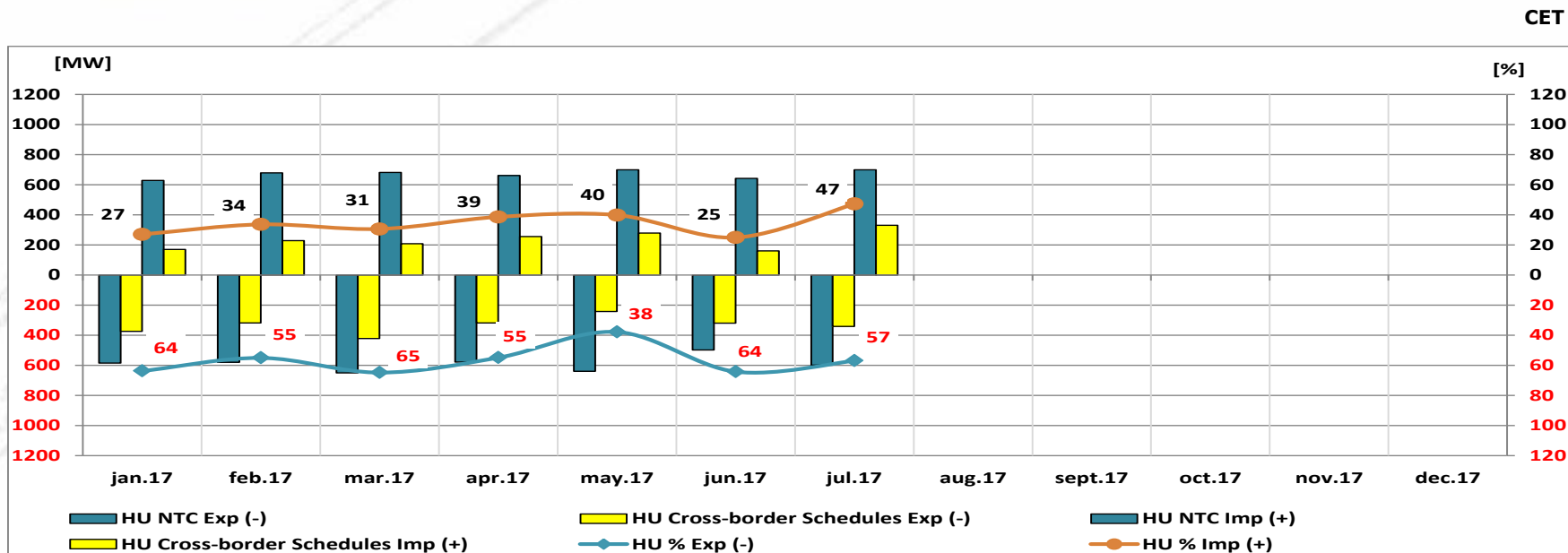
In July 2017, the highest level of usage on export direction was obtained on Serbian border and the highest level of usage on import direction was obtained on Bulgarian border.



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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Hungarian border



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	-639	-498	-598					
HU Cross-border Schedules Exp (-)	-373	-319	-422	-318	-242	-320	-341					
HU NTC Imp (+)	629	679	682	662	700	642	700					
HU Cross-border Schedules Imp (+)	170	229	209	256	279	160	331					

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: 56.79 % on export direction and 34.58 % on import direction.

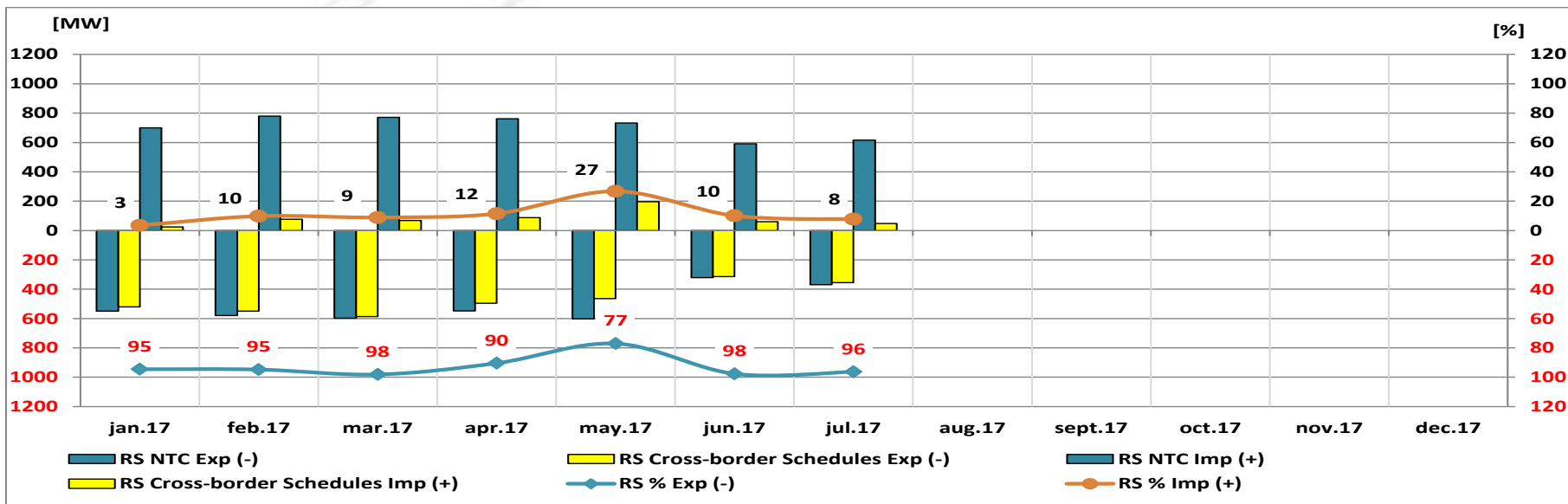


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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Serbian border

CET



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	-602	-322	-369					
RS Cross-border Schedules Exp (-)	-520	-549	-586	-496	-464	-314	-356					
RS NTC Imp (+)	700	779	772	762	732	592	616					
RS Cross-border Schedules Imp (+)	24	76	69	88	196	59	48					

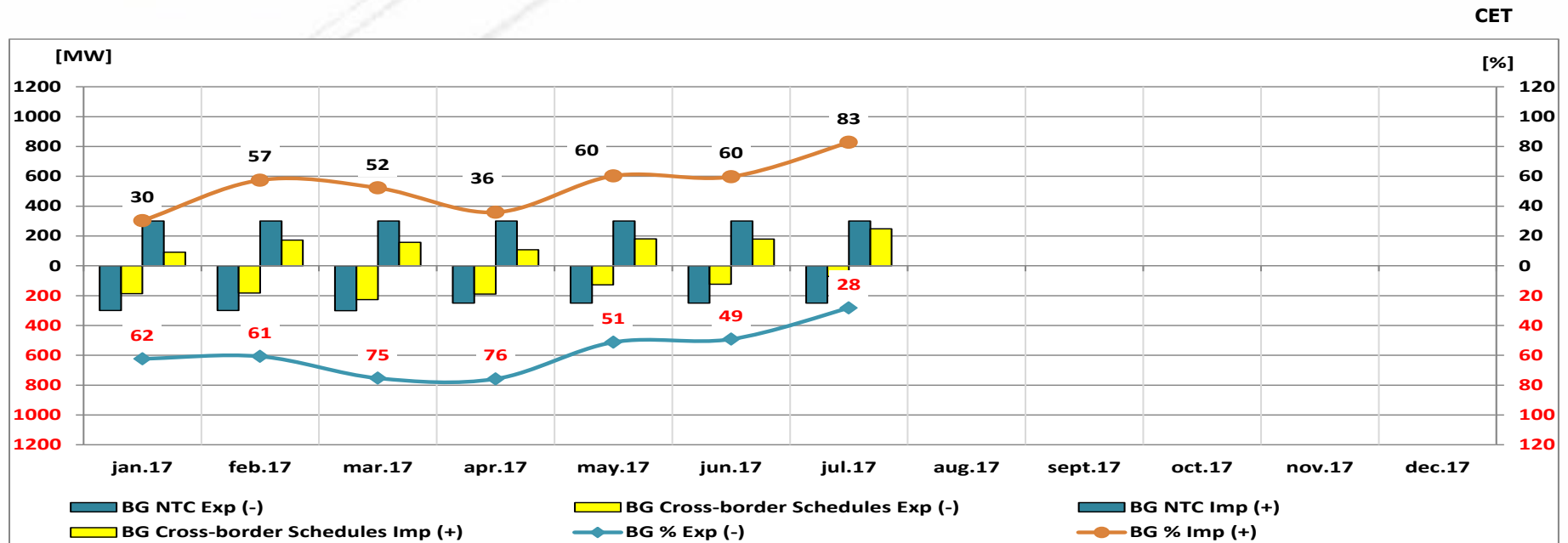
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 92.69 % on export direction and 11.18 % on import direction.

Market for Allocation of Cross-Border Capacities



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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	-250	-250	-250					
BG Cross-border Schedules Exp (-)	-187	-182	-226	-190	-128	-123	-71					
BG NTC Imp (+)	300	300	300	300	300	300	300					
BG Cross-border Schedules Imp (+)	91	172	157	108	181	179	248					

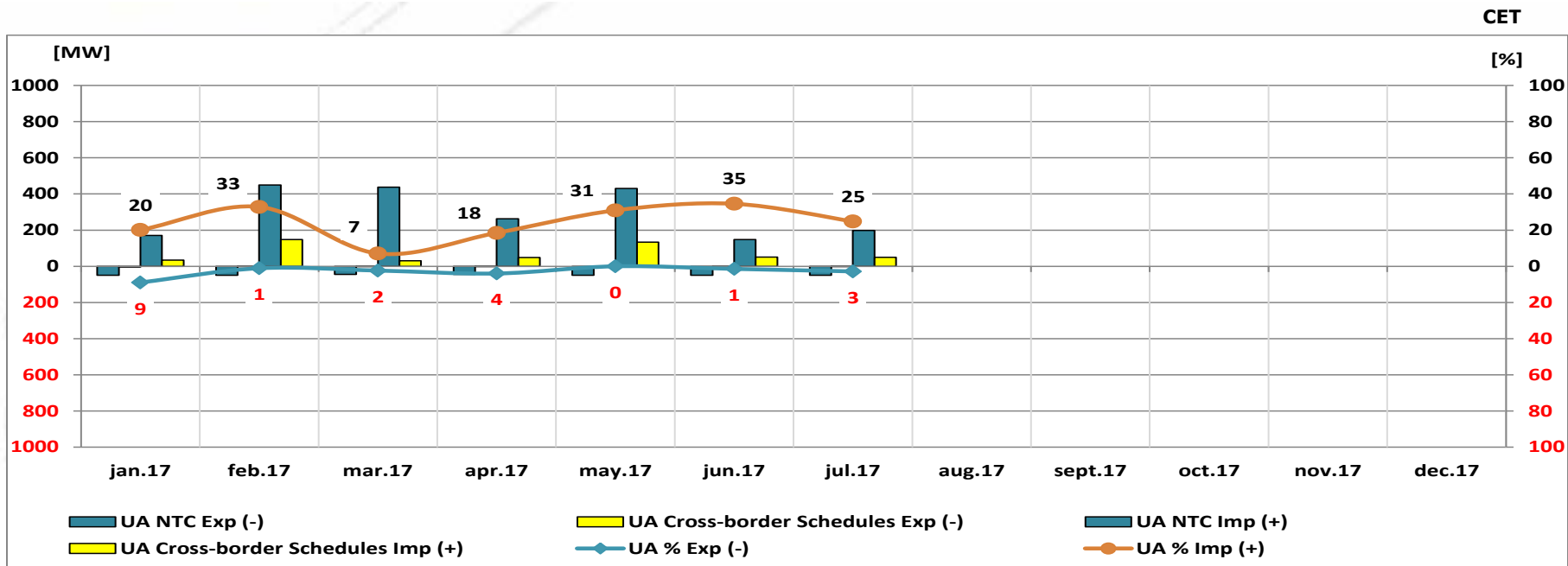
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 57.56 % on export direction and 54.09 % on import direction.



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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	-50	-50	-50					
UA Cross-border Schedules Exp (-)	-4	-1	-1	-2	0	-1	-1					
UA NTC Imp (+)	171	450	438	263	431	148	198					
UA Cross-border Schedules Imp (+)	34	148	31	49	133	51	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: 2.95 % on export direction and 24.11 % on import direction.



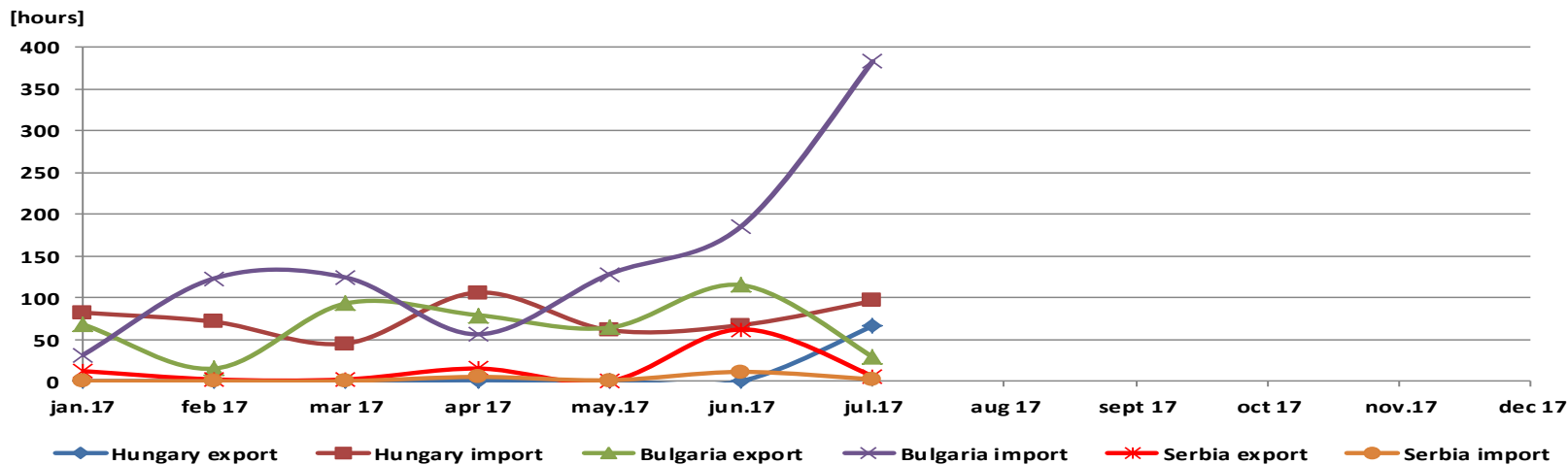
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Market for Allocation of Cross-Border Capacities

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	0	0	66					
Hungary import	82	71	45	106	61	67	96					
Bulgaria export	68	15	93	79	64	115	29					
Bulgaria import	31	123	124	56	128	185	383					
Serbia export	12	2	2	15	0	62	6					
Serbia import	0	0	0	5	1	11	2					

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

July 2017

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday					
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI
Hungary import	22.06	55.59	1490	28.57	83.93	2423	-	-	-	40.62	82.16	2786	18.70	42.58	1037
Hungary export	30.86	55.71	1498	16.67	47.50	1267	-	-	-	55.76	89.00	3706	26.35	49.32	1189
Bulgaria import	43.00	92.00	3564	37.50	74.38	2302	30.36	69.37	1914	-	-	-	35.41	63.03	1849
Bulgaria export	41.00	76.00	2472	33.33	63.33	1849	47.94	86.98	3321	-	-	-	35.48	63.77	1868
Serbia import	46.67	93.33	3844	45.38	80.35	2898	33.95	87.39	2637	83.65	100.00	7155	30.00	70.24	1926
Serbia export	39.50	70.00	2273	37.16	71.01	2190	49.18	89.07	3379	100.00	100.00	10000	34.75	67.93	1870
Ukraine import	50.00	100.00	4808	38.26	91.20	3099	-	-	-	-	-	-	40.72	80.31	2732
Ukraine export	48.00	100.00	3728	-	-	-	-	-	-	-	-	-	48.00	100.00	3728
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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.



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