

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

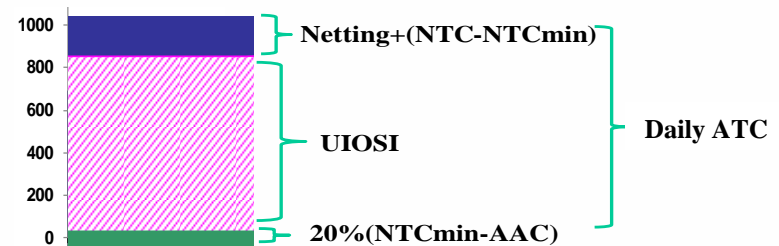
July 2018

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

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 2018 :
 - ✓ 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.
 - ✓ *The („ use it or sell it”)* principle is applied on Hungarian, Bulgarian and Serbian borders.
 - ✓ on Hungarian and Bulgarian borders is applied:
 - ✓ 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’s auctions are held on Damas platform, with euro currency trading.
- Starting with 1st of January 2018, on Romania – Bulgaria and Romania – Serbia borders and starting with 1st of February 2018 on Romania – Hungary border, the use of the physical transport rights is performed in accordance with the m:n nomination principle, for all time horizons.
- 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 2018, auctions were held as:
 - import Hungary: 01 – 08.07.2018; 10 – 18.07.2018; 19.07.2018; 20 – 29.07.2018; 30 – 31.07.2018;
 - export Hungary: 01.07.2018; 07 – 08.07.2018; 10 – 13.07.2018; 14 – 15.07.2018; 16 – 19.07.2018; 20.07.2018; 21 – 22.07.2018; 23 – 27.07.2018; 28 – 29.07.2018; 30 – 31.07.2018;
 - import/export Bulgaria*: 01 – 31.07.2018;
 - import Serbia: 01 – 08.07.2018; 10 – 15.07.2018; 16 – 20.07.2018; 21 – 29.07.2018; 30 – 31.07.2018;
 - export Serbia: 01.07.2018; 07 – 08.07.2018; 14 – 15.07.2018; 20.07.2018; 21 – 22.07.2018; 28 – 29.07.2018; 30 – 31.07.2018;
 - import Ukraine: 01.07.2018; 02 – 04.07.2018; 05 – 08.07.2018; 10 – 12.07.2018; 13 – 15.07.2018; 20.07.2018; 21 – 22.07.2018; 23 – 27.07.2018;
 - export Ukraine: 01.07.2018; 07 – 08.07.2018; 14 – 15.07.2018; 20 – 31.07.2018.
- In July 2018 there were no auctions held on Moldavian border.
- Due to full allocation of capacity at yearly auction ATC was zero at monthly auction at certain periods on Hungarian and Serbian border as follow:
 - ✓ during the periods: 02 – 06.07.2018 and 09.07.2018, on export direction to Hungary;
 - ✓ during the period: 09.07.2018, on import directions from Hungary and Serbia;
 - ✓ during the period: 02 – 06.07.2018, 09 – 13.07.2018; 16 – 19.07.2018 and 23 – 27.07.2018, on export direction to Serbia.
- Available capacity was zero on Ukrainian border during the following periods:
 - ✓ 02 – 06.07.2018; 09 – 13.07.2018; 16 – 19.07.2018 on export direction;
 - ✓ 09.07.2018; 16 – 19.07.2018 and 28 – 31.07.2018 on import direction.

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

- Due to lack of request from participants on import direction from Ukraine, there was capacity not allocated at monthly auction as it follows:
 - ✓ 39 MW, during the period 02 – 04.07.2018;
 - ✓ 14 MW, during the period 10 – 12.07.2018;
 - ✓ 139 MW, for 20.07.2018;
 - ✓ 89 MW, during the period 23 – 27.07.2018.
- Following the changes in the monthly planned outage of 400 kV Brasov – Sibiu South OHL and 220 kV Resita – Timisoara OHL c1, on CNTEE Transelectrica SA request and after harmonization with neighbor TSOs, NTC values on export directions to Hungary and Serbia were increased with 150 MW for 02.07 and 03.07.2018. The supplementary capacity was offered to the daily and intraday auctions.

Monthly auction Results of 01 – 31 July 2018

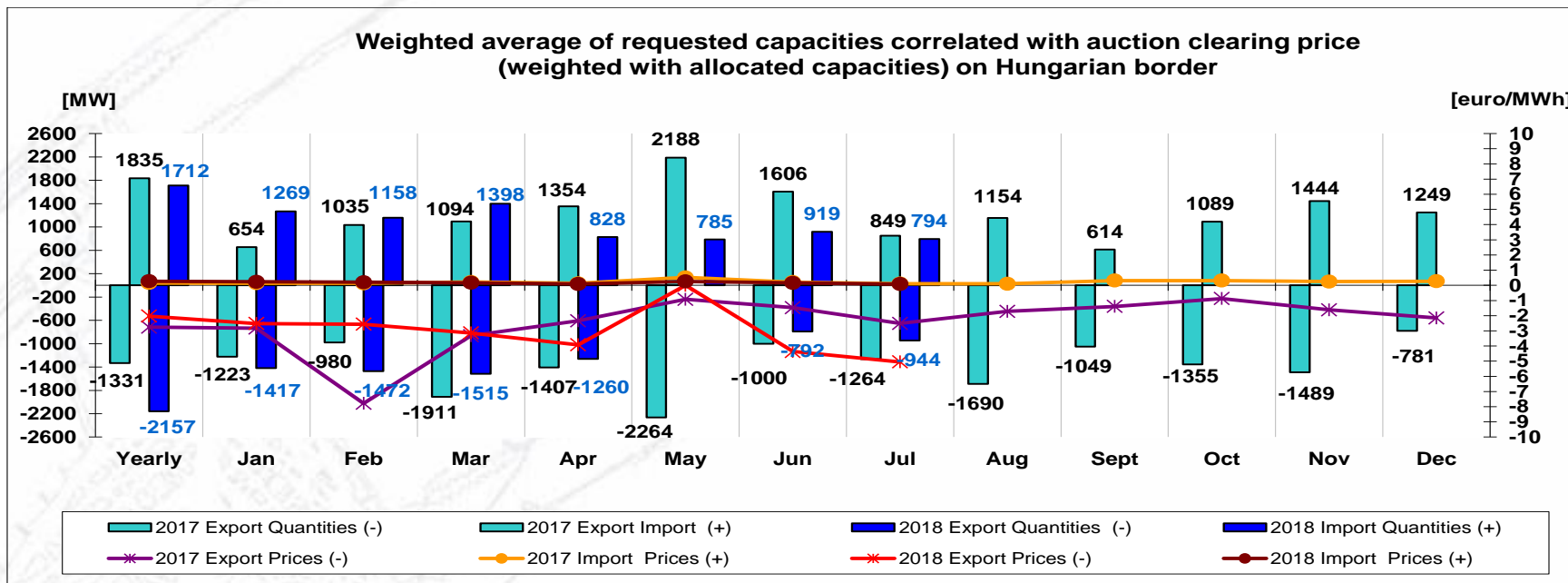
	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Hungary export										
01 July 2018	5.05	500	400	50	350	0	40	944	38	388
02 - 06 July 2018	-	450	350	0	350	0	0	-	-	350
07 - 08 July 2018	5.05	600	500	150	350	0	120	944	119	469
09 July 2018	-	450	350	0	350	0	0	-	-	350
10 - 13 July 2018	5.05	500	400	50	350	0	40	944	38	388
14 - 15 July 2018	5.05	550	450	100	350	0	80	944	78	428
16 - 19 July 2018	5.05	500	400	50	350	0	40	944	38	388
20 July 2018	5.05	550	450	100	350	0	80	944	78	428
21 - 22 July 2018	5.05	650	550	200	350	0	160	944	159	509
23 - 27 July 2018	5.05	500	400	50	350	0	40	944	38	388
28 - 29 July 2018	5.05	700	600	250	350	0	200	944	200	550
30 - 31 July 2018	5.05	500	400	50	350	0	40	944	38	388
Hungary import										
01 - 08 July 2018	0.08	800	700	350	350	0	280	794	279	629
09 July 2018	-	450	350	0	350	0	0	-	-	350
10 - 18 July 2018	0.08	800	700	350	350	0	280	794	279	629
19 July 2018	0.08	700	600	250	350	0	200	794	196	546
20 - 29 July 2018	0.08	800	700	350	350	0	280	794	279	629
30 - 31 July 2018	0.08	750	650	300	350	0	240	794	236	586
Bulgaria export										
01 - 31 July 2018	0.33	350	250	150	100	-	120	393	120	220
Bulgaria import										
01 - 31 July 2018	8.33	400	300	200	100	-	160	674	160	260

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

Monthly auction Results of 01 – 31 July 2018

	Prices [euro/MWh] Results	Capacities [MW]								
		TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 July 2018	2.80	400	300	100	200	-	100	355	100	300
02 - 06 July 2018	-	300	200	0	200	-	0	-	-	200
07 - 08 July 2018	2.49	450	350	150	200	-	150	356	150	350
09 - 13 July 2018	-	300	200	0	200	-	0	-	-	200
14 - 15 July 2018	4.55	400	300	100	200	-	100	392	100	300
16 - 19 July 2018	-	300	200	0	200	-	0	-	-	200
20 July 2018	3.94	450	350	150	200	-	150	405	150	350
21 - 22 July 2018	2.04	500	400	200	200	-	200	397	200	400
23 - 27 July 2018	-	300	200	0	200	-	0	-	-	200
28 - 29 July 2018	2.00	500	400	200	200	-	200	387	200	400
30 - 31 July 2018	4.55	400	300	100	200	-	100	375	100	300
Serbia import										
01 - 08 July 2018	0.01	700	600	450	150	-	450	508	450	600
09 July 2018	-	250	150	0	150	-	0	-	-	150
10 - 15 July 2018	0.01	700	600	450	150	-	450	708	450	600
16 - 20 July 2018	0.03	500	400	250	150	-	250	588	250	400
21 - 29 July 2018	0.01	800	700	550	150	-	550	708	550	700
30 - 31 July 2018	0.01	750	650	500	150	-	500	708	500	650
Ukraine export										
01 July 2018	0.00	150	50	50	-	-	50	50	50	50
02 - 06 July 2018	-	0	0	-	-	-	-	-	-	-
07 - 08 July 2018	0.00	150	50	50	-	-	50	50	50	50
09 - 13 July 2018	-	0	0	-	-	-	-	-	-	-
14 - 15 July 2018	0.00	150	50	50	-	-	50	50	50	50
16 - 19 July 2018	-	0	0	-	-	-	-	-	-	-
20 - 31 July 2018	0.11	150	50	50	-	-	50	90	50	50
Ukraine import										
01 July 2018	0.05	200	100	100	-	-	100	161	100	100
02 - 04 July 2018	0.00	400	300	300	-	-	300	261	261	261
05 - 08 July 2018	0.01	300	200	200	-	-	200	211	200	200
09 July 2018	-	0	0	-	-	-	-	-	-	-
10 - 12 July 2018	0.00	350	250	250	-	-	250	236	236	236
13 - 15 July 2018	0.01	300	200	200	-	-	200	211	200	200
16 - 19 July 2018	-	0	0	-	-	-	-	-	-	-
20 July 2018	0.00	500	400	400	-	-	400	261	261	261
21 - 22 July 2018	0.05	200	100	100	-	-	100	161	100	100
23 - 27 July 2018	0.00	400	300	300	-	-	300	211	211	211
28 - 31 July 2018	-	0	0	-	-	-	-	-	-	-
Moldavia export										
01 - 31 July 2018	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 31 July 2018	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 31 July 2018	-	-	-	-	-	-	-	-	-	-
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 31 July 2018	-	-	-	-	-	-	-	-	-	-
RO_Cioara	-	-	-	-	-	-	-	-	-	-

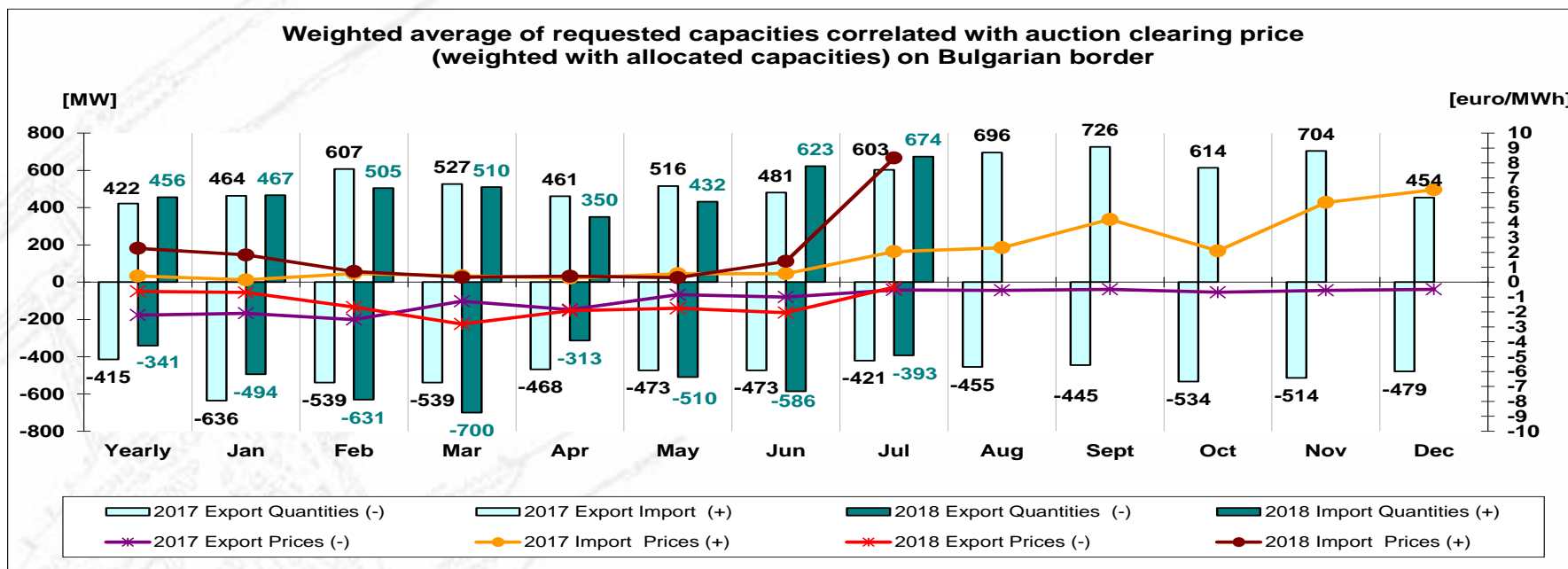
* final rights = monthly allocated capacity + yearly allocated capacity after withdrawals.



Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Hungary export	2.03	2.52	2.56	3.14	3.92	-	4.36	5.05					
Hungary import	0.27	0.23	0.20	0.17	0.09	0.25	0.16	0.08					

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	1.72	1.39	0.87	1.62	2.15
Hungary import	0.15	0.14	0.13	0.22	0.13	0.52	0.21	0.11	0.10	0.31	0.31	0.25	0.27

- Compared with the similar month of 2017, in July 2018 the auction price significantly increased on export direction, while offered capacity was lower and capacity request maintained high values. In July 2018, monthly auction price was still low on import direction.

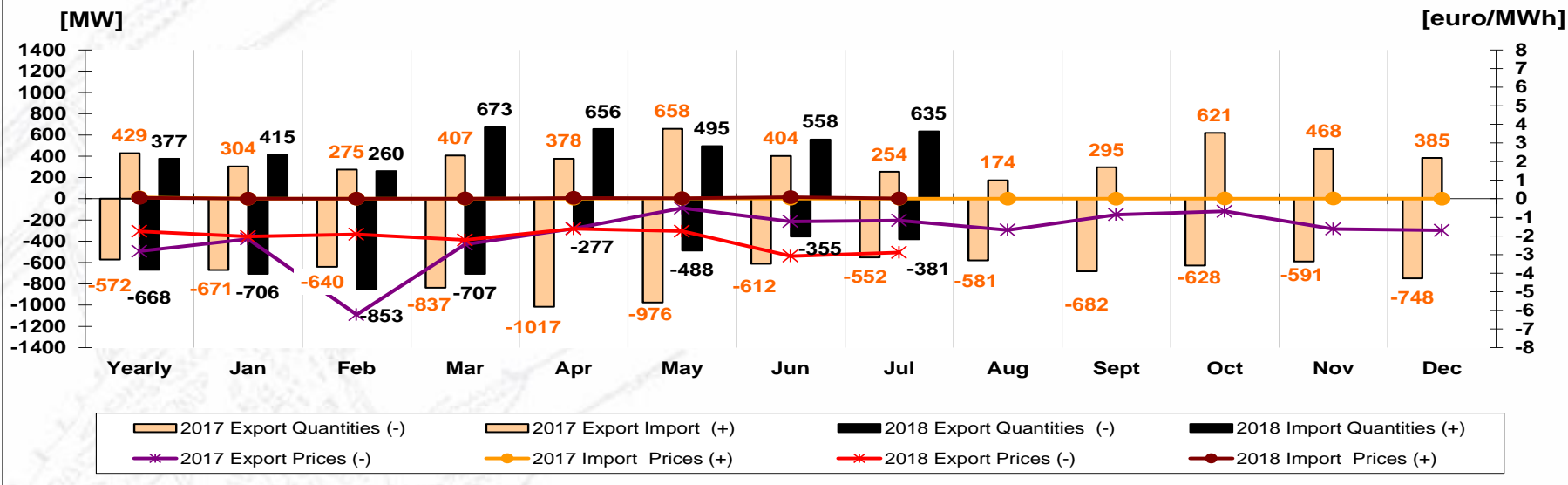


Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Bulgaria export	0.62	0.69	1.67	2.81	1.92	1.75	2.05	0.33					
Bulgaria import	2.27	1.83	0.72	0.33	0.40	0.30	1.40	8.33					

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	0.55	0.48	0.68	0.55	0.48
Bulgaria import	0.41	0.15	0.58	0.43	0.27	0.57	0.57	2.05	2.31	4.21	2.10	5.35	6.21

- Compared with previous year, in July 2018 the auction price slightly decreased on export direction, while offered capacity maintained the same level and capacity request was lower. The auction price significantly increased on import direction, while offered capacity maintained the same level and capacity request was higher.

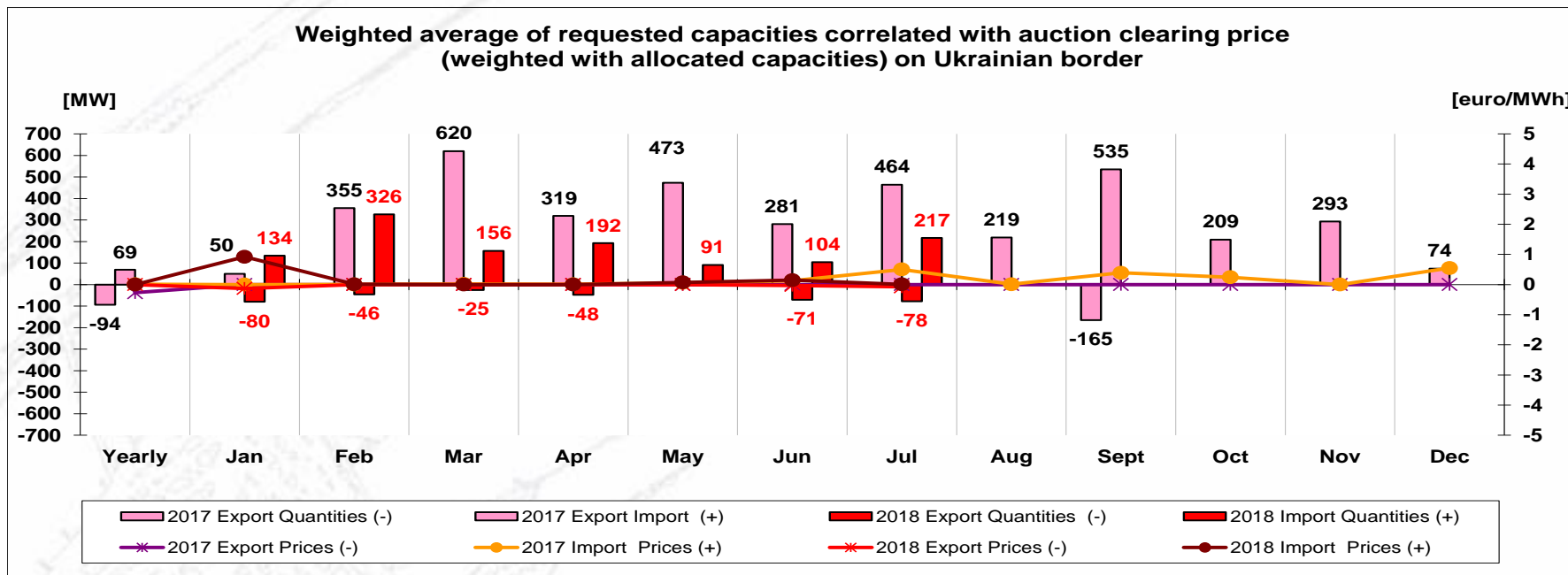
Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Serbian border



Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Serbia export	1.75	2.03	1.91	2.22	1.62	1.75	3.08	2.89					
Serbia import	0.05	0.00	0.00	0.01	0.04	0.03	0.08	0.01					

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	1.68	0.86	0.67	1.62	1.69
Serbia import	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00

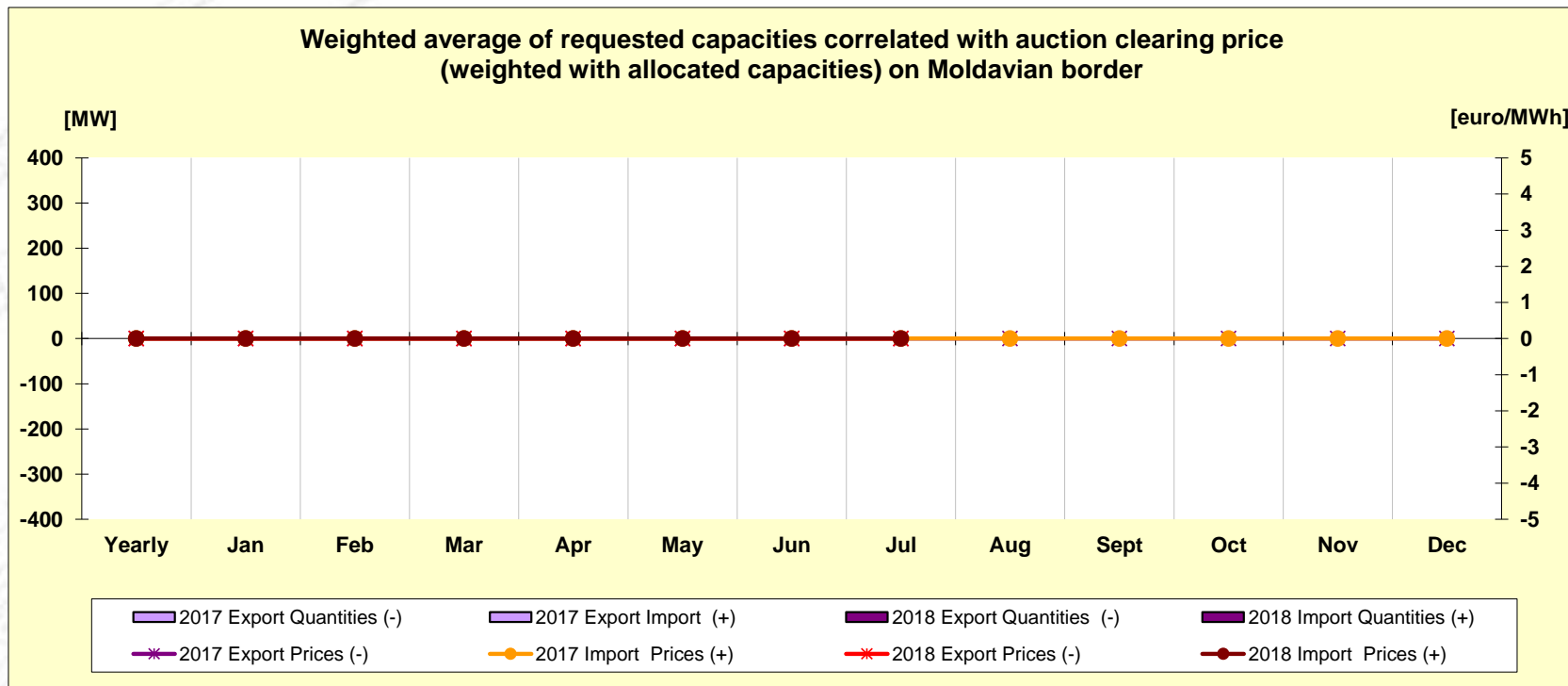
- Compared with previous year, in July 2018 the auction price increased on export direction, while offered capacity and capacity request were lower. In July 2018 monthly auction price was low on import direction.



Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Ukraine export	-	0.13	0.00	0.00	0.00	-	0.03	0.08					
Ukraine import	-	0.92	0.01	0.00	0.00	0.07	0.15	0.01					

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	-	-	-	-	-	-	-	-	0.00	-	-	-
Ukraine import	0.01	0.00	0.00	0.02	0.01	0.06	0.13	0.50	0.01	0.39	0.24	-	0.55

- Compared with previous year, in July 2018 capacity request decreased on import direction while offered capacity was higher and auction price was low. Compared with similar period of the previous year, in July 2018 the auction price was low on export direction, while offered capacity was different from zero.

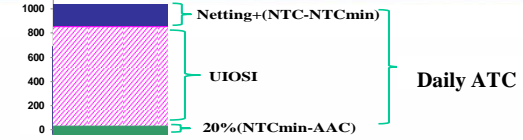


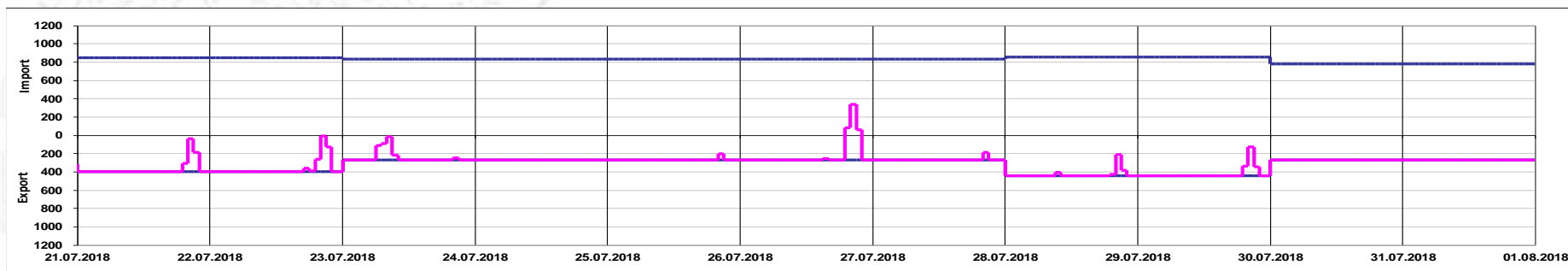
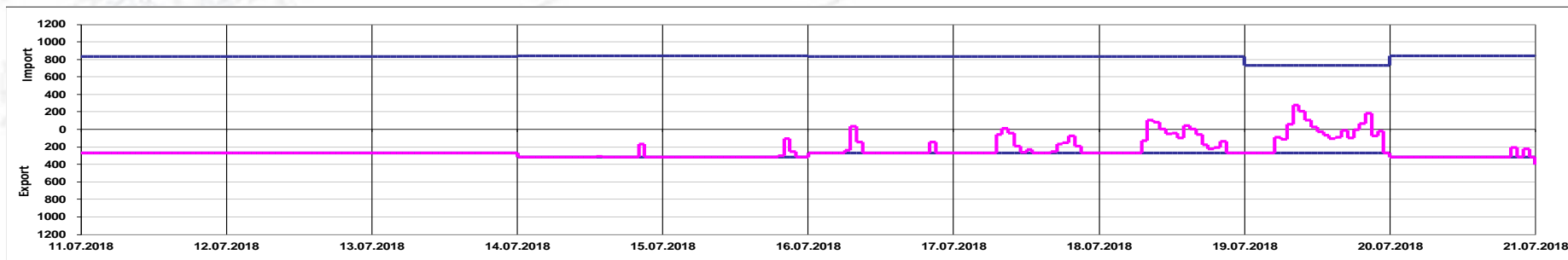
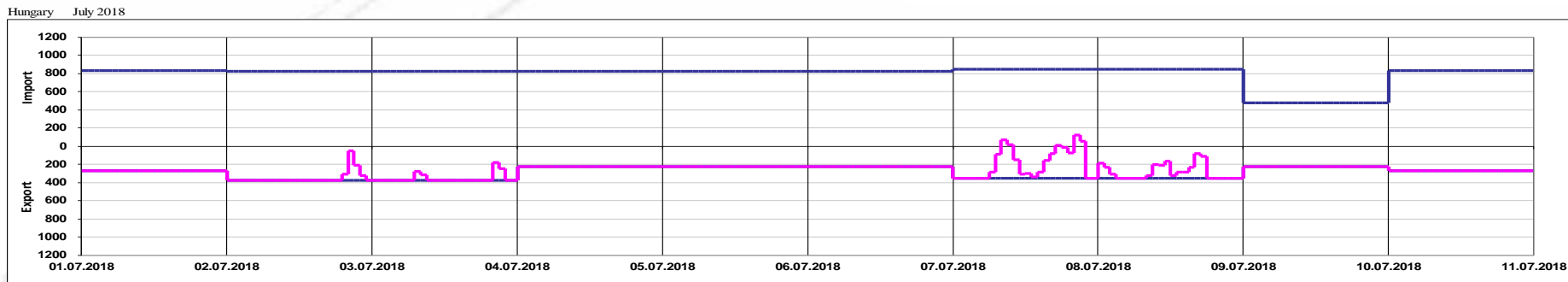
Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Moldavia export	-	-	-	-	-	-	-	-					
Moldavia import	-	-	-	-	-	-	-	-					

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
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

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
15	66	274	615





Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public

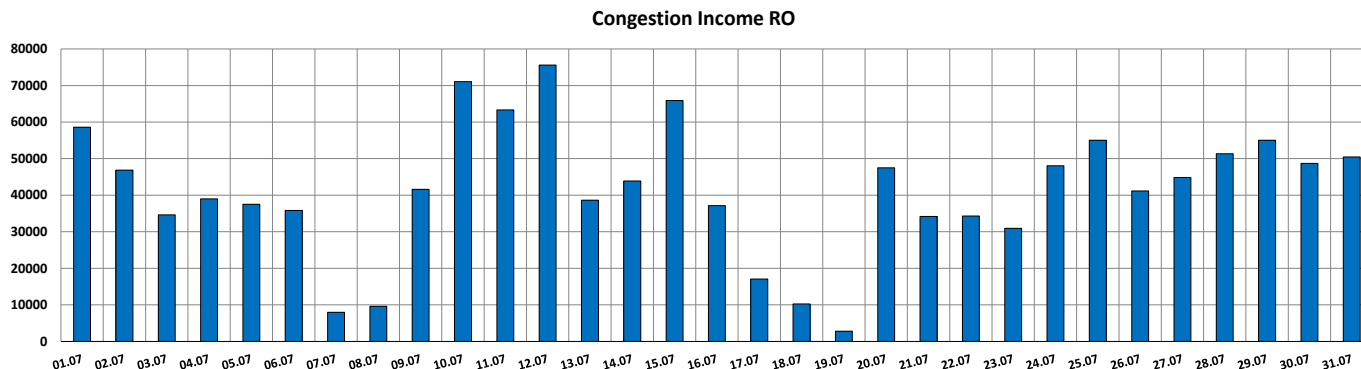
Congestion Prices [Euro/MWh]

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	33.95	27.49	24.65	19.67	19.42	16.85	15.70	17.66	17.87	8.99	9.26	9.81	20.17	14.21	11.63	10.32	6.28	10.37	22.17	25.83	19.14	22.77	26.15	25.27	33.95	
2	11.91	13.29	14.11	15.30	16.03	11.83	13.19	15.88	22.17	25.82	20.51	18.98	13.99	5.25	4.48	3.97	7.27	6.68	3.38	-	-	-	-	5.81	25.82	
3	13.48	15.30	14.46	13.64	13.50	13.48	9.78	-	-	3.97	2.70	8.23	2.34	4.95	4.96	3.33	7.36	2.94	6.27	12.77	-	-	-	11.70	19.50	
4	19.61	18.22	20.30	23.82	23.23	17.88	11.86	12.45	15.11	7.01	8.17	6.27	0.81	1.97	1.67	4.50	8.08	18.00	24.56	24.28	14.37	9.87	28.43	26.31	28.43	
5	21.93	19.80	20.31	19.35	18.28	13.65	0.81	15.48	12.49	11.37	16.12	13.17	8.56	12.63	15.86	13.99	11.77	12.55	11.86	10.50	3.68	10.07	16.25	22.88	22.88	
6	8.26	12.46	12.62	12.83	12.02	9.96	5.60	19.83	9.77	16.90	17.57	15.63	21.66	7.13	15.18	13.93	9.41	7.71	4.88	14.83	11.19	15.47	18.27	25.27	25.27	
7	3.18	7.77	6.33	4.04	3.77	5.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.28	12.83	
8	-	-	-	2.69	9.29	10.86	5.98	2.14	-	-	-	-	-	-	-	-	-	-	0.44	5.22	1.88	1.69	6.68	7.13	10.86	
9	27.69	27.20	26.20	26.69	26.45	21.70	21.02	13.14	6.44	4.86	3.92	7.68	6.56	7.77	10.07	6.81	10.11	16.68	16.01	16.00	8.62	9.47	20.22	28.64	28.64	
10	18.85	20.82	21.79	22.94	25.37	21.29	14.15	23.10	19.01	14.60	12.66	17.91	15.80	21.38	21.38	23.23	23.01	30.70	30.36	24.85	15.49	20.66	28.62	40.48	40.48	
11	30.43	31.60	30.40	28.60	30.89	22.00	30.00	15.97	12.25	14.10	15.52	20.83	17.47	14.68	15.78	22.53	16.24	15.38	14.30	20.16	-	14.00	13.56	24.23	31.60	
12	20.88	24.68	25.21	23.53	25.27	17.68	31.68	25.30	16.75	25.61	27.97	29.29	28.21	30.05	34.53	31.89	25.53	19.50	20.10	19.73	4.91	16.07	14.23	23.31	34.53	
13	11.17	16.18	16.70	17.28	18.68	9.34	15.83	13.69	10.56	11.56	15.03	14.61	12.70	11.09	6.72	5.91	6.08	8.41	11.05	10.41	6.83	11.41	11.14	15.01	18.68	
14	22.80	24.16	26.88	30.35	33.07	23.99	5.80	7.36	4.47	6.25	3.66	3.57	1.29	-	3.02	6.29	1.07	3.93	3.90	1.99	-	2.60	23.85	40.16	40.16	
15	25.46	33.77	39.06	36.98	39.58	35.21	21.59	13.31	13.32	14.44	15.66	16.50	15.15	12.60	12.30	10.61	5.53	4.62	9.05	-	-	-	18.93	27.25	39.58	
16	14.88	13.78	13.99	14.89	13.48	6.98	-	-	-	1.32	13.33	17.00	17.49	19.00	15.67	16.91	15.61	17.66	16.56	2.94	-	0.34	23.88	20.42	23.88	
17	13.75	14.73	15.94	12.23	12.23	6.00	5.60	-	-	-	-	-	-	4.63	4.99	2.32	-	-	-	-	-	9.02	11.90	13.65	15.94	
18	12.51	12.43	10.90	9.25	9.19	3.41	4.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.66	1.66	8.66	12.51	
19	1.10	2.72	2.34	1.92	2.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.42	10.42
20	11.42	15.88	16.46	17.05	17.87	13.30	18.75	12.31	10.69	17.24	17.57	17.89	17.22	16.12	11.67	11.65	11.71	12.91	11.04	7.32	-	6.09	-	11.32	18.75	
21	3.06	5.17	4.83	3.37	3.41	7.32	0.49	2.24	10.99	12.63	11.71	13.84	12.91	11.30	12.21	10.69	7.38	6.60	8.24	-	-	-	10.28	12.32	13.84	
22	9.56	5.08	8.69	5.60	9.50	11.70	8.15	9.20	10.10	14.08	14.58	15.77	8.92	7.02	7.81	4.05	3.80	-	-	-	-	-	4.33	13.54	15.77	
23	16.53	13.76	13.18	11.26	9.50	0.70	-	-	-	-	13.80	13.45	7.76	7.18	7.87	8.79	11.75	15.02	15.14	12.57	-	13.85	15.21	22.62	22.62	
24	19.48	18.54	20.89	23.49	24.55	19.81	27.78	17.51	14.47	12.84	11.09	12.14	8.93	7.95	6.68	7.71	8.86	10.70	13.99	13.83	8.52	15.39	15.27	16.85	27.78	
25	15.40	16.81	18.00	16.96	16.53	20.60	23.88	19.22	18.36	18.03	19.54	21.08	17.78	19.09	21.59	21.64	21.09	12.84	16.72	15.10	-	14.37	15.07	9.29	23.88	
26	20.12	19.48	22	21.19	25.56	27.01	31.43	21.20	14.90	9.26	14.87	12.86	7.62	6.37	4.32	-	8.36	14.45	13.11	-	-	-	-	12.07	31.43	
27	13.86	15.62	15.02	13.52	12.19	15.87	16.13	11.17	15.53	16.44	19.12	23.04	18.24	18.33	20.12	22.44	15.05	12.90	14.00	8.64	-	6.21	0.11	9.92	23.04	
28	17.02	16.60	15.80	15.00	20.30	16.66	14.41	5.39	2.53	-	3.50	14.11	12.29	7.93	7.23	11.04	12.13	4.24	0.50	-	-	-	12.99	22.10	22.10	
29	3.31	5.71	9.98	9.05	12.11	17.69	18.61	13.21	11.85	13.65	15.78	19.99	18.31	14.23	9.49	7.01	3.88	3.12	0.10	-	-	-	17.20	24.18	24.18	
30	16.00	15.93	14.64	14.02	13.96	14.75	11.87	19.63	13.15	10.76	10.37	17.54	16.07	16.56	15.46	16.75	14.35	19.76	21.66	15.60	0.33	13.56	16.23	23.20	23.20	
31	11.12	17.73	18.18	16.46	16.20	10.53	8.85	14.90	8.49	3.18	6.50	15.99	8.53	15.43	24.81	25.02	28.17	17.16	15.09	16.09	5.98	19.74	23.87	27.18	28.17	

Average 14.22 EUR/MWh

Public

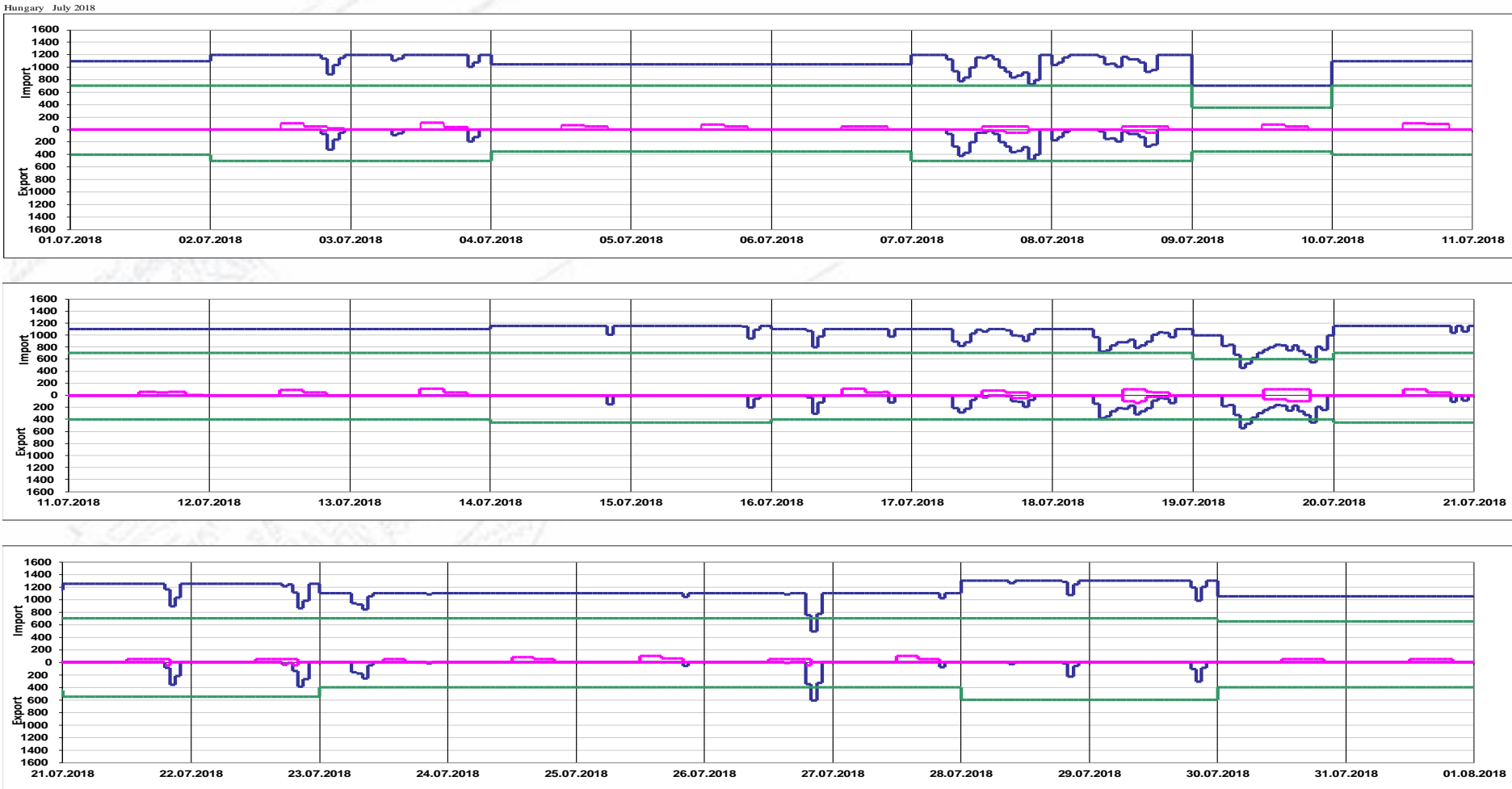
Daily implicit Auctions on Romanian – Hungarian border



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.07	117184	58592
02.07	93694	46847
03.07	69248	34624
04.07	78026	39013
05.07	75006	37503
06.07	71636	35818
07.07	15967	7983
08.07	19224	9612
09.07	83239	41619
10.07	142153	71077
11.07	126677	63339
12.07	151154	75577
13.07	77308	38654
14.07	87784	43892
15.07	131748	65874
16.07	74279	37139
17.07	34160	17080
18.07	20500	10250
19.07	5595	2798
20.07	94989	47495
21.07	68396	34198
22.07	68592	34296
23.07	61854	30927
24.07	96106	48053
25.07	110018	55009
26.07	82301	41150
27.07	89703	44852
28.07	102674	51337
29.07	110068	55034
30.07	97418	48709
31.07	100929	50464
Total	2557629	1278815

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
2557629	0	2367340	0
2557629		2367340	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
190289	95145



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

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

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

Public

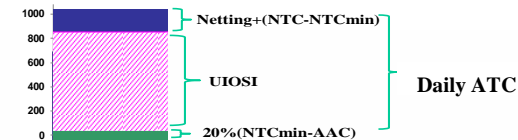
Auction Price [Euro/MWh] - Export

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
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	-	0.00
3	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	0.00
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
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
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	0.00
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
14	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	0.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	-	0.00
16	-	-	-	-	-	-	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
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
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
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
23	-	-	-	-	-	-	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	0.00
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	0.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	0.00
28	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	0.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	0.00
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Hungary July 2018

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	188	170

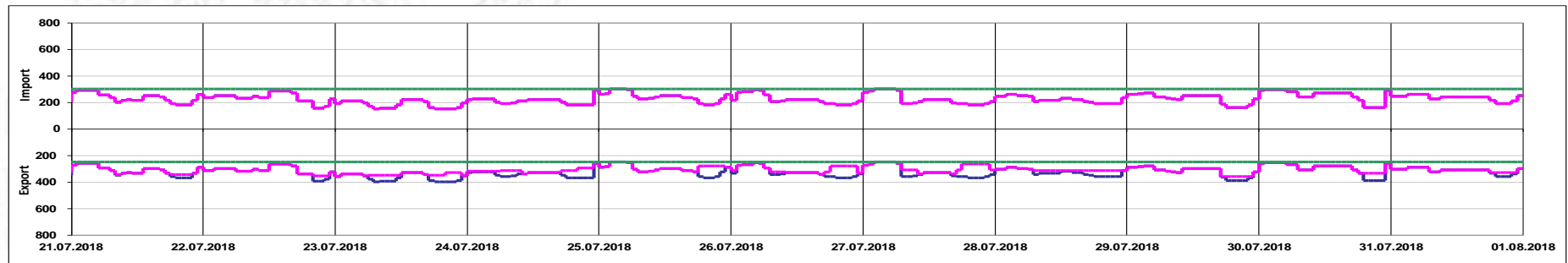
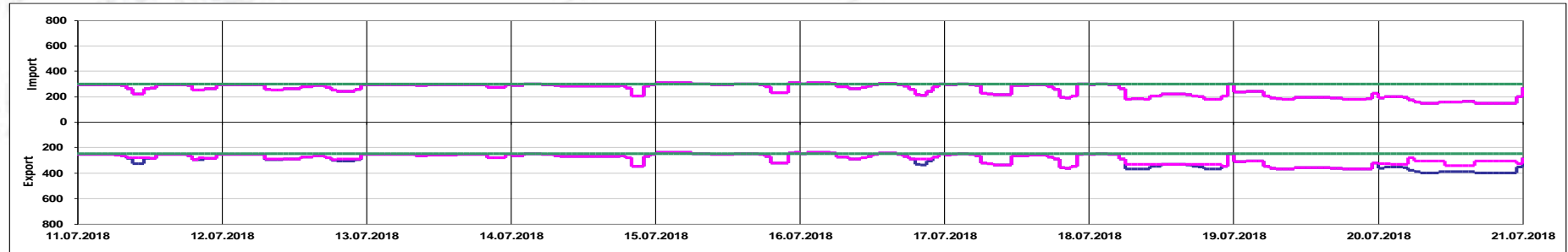
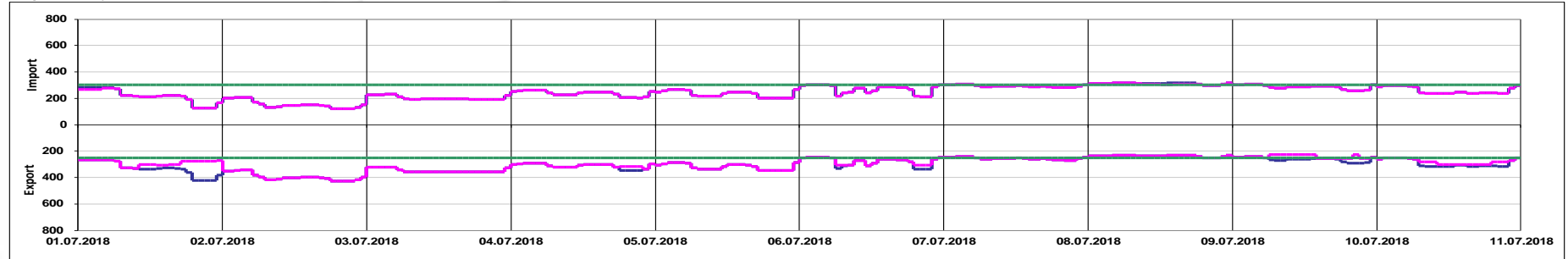


Bulgaria July 2018



Daily Auctions on Romanian – Bulgarian border

Bulgaria July 2018



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

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

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

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	1.25	1.00	1.25	1.25	1.25	1.00	0.57	0.88	0.88	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	
2	1.25	1.25	1.25	1.25	1.25	0.87	0.36	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.25
3	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.33	0.33
4	0.33	0.33	0.33	0.33	0.33	0.33	0.30	0.11	0.11	0.11	0.11	0.26	0.26	0.26	0.26	0.26	0.26	0.09	0.00	0.00	0.00	0.00	0.09	0.33	0.33	
5	0.22	0.22	0.22	0.22	0.22	0.22	0.15	0.09	0.09	0.09	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.09	0.09	0.09	0.09	0.15	0.22	0.22	
6	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.22	0.22	0.22	
7	1.77	2.00	2.00	2.00	1.63	0.73	0.20	0.26	0.23	2.50	2.50	2.23	2.23	2.23	2.50	2.50	2.50	2.00	0.26	0.26	0.20	0.20	0.26	2.00	2.50	
8	1.22	1.22	1.22	1.22	1.92	1.50	1.22	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	2.00	1.95	2.00	0.33	0.22	0.22	0.22	0.33	0.66	2.00	
9	0.31	0.31	0.31	0.31	0.31	0.31	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	0.31	0.31	
10	1.00	2.00	2.00	2.00	1.36	0.57	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.25	3.25	
11	1.25	2.00	3.00	4.00	4.00	1.50	0.57	0.55	0.00	0.00	0.00	0.00	0.30	1.25	2.93	3.00	3.00	3.00	1.22	0.30	0.00	0.22	0.72	5.00	5.00	
12	1.25	1.00	1.00	1.25	1.25	0.07	0.07	0.00	0.00	0.00	0.05	0.05	0.07	0.07	0.07	0.09	0.09	0.07	0.00	0.00	0.00	0.00	1.00	1.25	1.25	
13	0.25	1.20	1.20	1.20	2.20	1.35	0.85	0.09	0.09	0.10	0.10	0.10	0.10	0.25	0.25	0.25	0.25	0.25	0.10	0.09	0.05	0.05	0.05	3.57	3.57	
14	0.77	1.13	1.13	1.13	1.16	0.77	0.77	0.32	0.32	0.32	0.32	0.32	0.32	0.75	1.24	0.90	0.53	0.38	0.32	0.32	0.31	0.31	0.75	1.53	1.53	
15	3.25	3.25	3.25	3.25	3.25	3.14	2.58	2.19	0.56	0.56	0.56	0.56	0.56	2.98	3.00	3.00	3.00	1.63	0.31	0.10	0.10	0.10	1.10	3.25	3.25	
16	3.25	3.25	3.25	3.25	3.25	3.25	0.09	0.09	0.00	0.00	0.09	0.09	1.00	1.00	1.00	1.00	0.40	0.09	0.00	0.00	0.00	0.00	0.09	0.44	3.25	
17	0.55	0.71	1.03	1.03	1.01	0.38	0.12	0.12	0.17	0.17	0.17	0.38	0.38	0.57	0.57	0.57	0.57	0.38	0.19	0.09	0.09	0.09	0.38	0.65	1.03	
18	0.38	0.77	1.33	0.82	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.45	1.33	
19	0.38	0.38	0.56	0.86	0.80	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.36	0.86	
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	0.00	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	0.26	0.38	0.38	0.38	0.38	0.09	0.07	0.07	0.00	0.07	0.09	0.09	0.09	0.15	0.15	0.15	0.09	0.09	0.00	0.00	0.00	0.00	0.07	0.15	0.38	
22	0.09	0.09	0.11	0.11	0.11	0.09	0.04	0.04	0.04	0.09	0.04	0.04	0.11	0.11	0.11	0.11	0.09	0.04	0.04	0.04	0.00	0.00	0.00	0.09	0.11	
23	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	
25	0.26	0.70	1.25	1.25	1.25	1.25	0.09	0.00	0.00	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.25	
26	0.00	0.09	0.21	0.21	0.26	0.10	0.07	0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	
27	0.07	0.09	0.16	0.16	0.16	0.09	0.07	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	
28	0.05	0.05	0.07	0.07	0.07	0.07	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	0.00	0.00	0.05	0.07	
29	0.16	0.16	0.16	0.16	0.16	0.16	0.07	0.07	0.07	0.07	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.16	
30	0.22	0.22	0.22	0.22	0.22	0.22	0.16	0.07	0.07	0.07	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.16	0.22	
31	0.16	0.16	0.16	0.16	0.16	0.16	0.07	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.07	0.16	

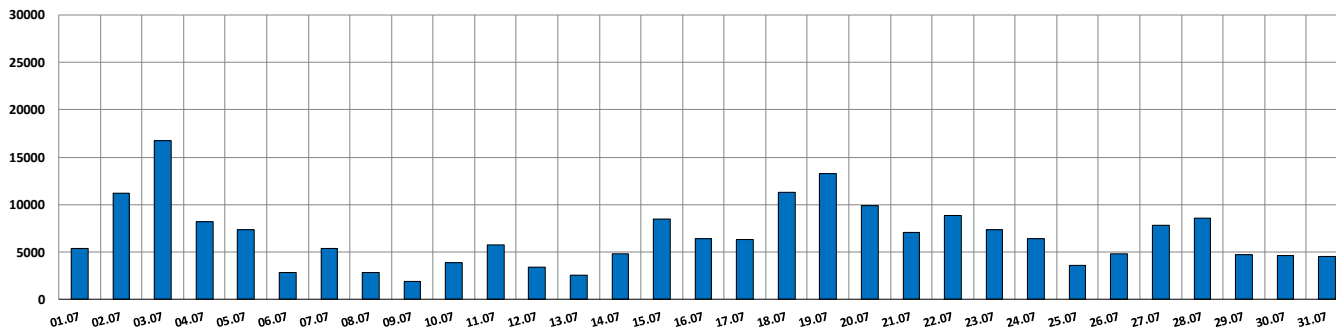
Bulgaria July 2018

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	0.17	0.88	1.13	1.13	1.13	1.13	1.03	1.00	1.00	1.00	1.03	2.57	4.88	5.88	6.88	9.00	7.00	2.88	9.00	
2	1.00	1.00	1.00	1.00	0.65	1.00	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	3.56	3.56	5.28	11.00	14.57	15.56	15.56	12.57	9.00	4.27	15.56	
3	4.00	4.00	4.00	4.00	4.00	7.54	11.05	6.66	6.00	3.00	1.39	1.77	2.00	1.77	1.77	1.77	1.77	5.31	14.14	15.70	16.00	21.00	14.04	6.00	21.00	
4	1.13	1.13	0.66	0.66	1.13	1.13	1.13	2.00	1.50	1.25	1.25	0.80	0.80	0.80	0.80	0.80	0.80	1.50	7.00	9.00	9.50	9.00	12.72	2.11	12.72	
5	0.33	0.20	0.20	0.20	0.20	1.12	3.77	3.77	1.10	0.65	0.65	0.65	0.40	0.40	0.40	0.40	1.13	5.55	7.00	10.00	10.00	8.00	6.09	1.13	10.00	
6	0.44	0.10	0.10	0.10	0.10	0.16	1.00	0.65	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.65	0.77	1.50	1.50	5.00	2.57	1.00	0.77	5.00	
7	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.35	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.35	0.55	0.57	0.57	0.57	0.57	0.57	0.57	0.35	0.57	
8	0.09	0.02	0.02	0.02	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.00	0.09
9	0.22	0.11	0.11	0.11	0.11	0.11	0.22	0.33	0.55	0.77	0.77	0.77	0.77	0.77	0.77	0.55	0.55	0.77	0.77	0.77	0.77	0.77	0.33	0.11	0.77	
10	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.55	0.61	1.01	1.01	1.01	1.01	0.61	0.61	0.61	0.61	1.01	1.13	1.13	3.20	3.20	0.36	0.11	3.20	
11	0.11	0.11	0.11	0.11	0.11	0.11	0.23	0.27	0.33	1.13	1.13	0.33	0.33	0.09	0.09	0.09	0.09	0.09	0.11	0.37	1.13	0.37	0.27	0.11	1.13	
12	0.09	0.09	0.11	0.11	0.11	0.09	0.09	0.27	1.13	1.13	1.01	0.20	0.20	0.11	0.11	0.11	0.11	0.20	0.27	0.37	6.48	5.00	2.00	0.11	6.48	
13	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.05	0.09	0.11	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.09	0.09	0.09	3.22	0.31	0.11	0.09	3.22	
14	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.66	0.85	0.66	0.66	0.66	0.46	0.46	0.46	0.46	0.46	0.56	2.00	2.00	4.05	3.50	0.67	0.46	4.05	
15	0.37	0.37	0.37	0.37	0.37	0.37	0.44	0.77	0.77	0.88	0.88	0.77	0.77	0.65	0.65	0.65	0.65	0.77	0.77	2.01	3.00	3.00	1.01	0.77	3.00	
16	0.22	0.22	0.22	0.22	0.22	0.22	0.77	0.77	0.77	0.77	0.77	0.77	0.40	0.40	0.40	0.40	0.40	0.77	1.87	3.88	6.00	3.88	1.87	0.77	6.00	
17	0.57	0.57	0.30	0.30	0.30	0.42	1.50	4.64	3.83	3.69	1.50	0.98	0.81	0.61	0.61	0.61	0.61	0.61	1.24	6.50	8.66	5.50	0.30	0.30	8.66	
18	0.57	0.44	0.44	0.44	0.44	0.44	5.11	9.00	8.52	7.56	5.28	8.80	5.11	3.01	3.01	1.25	3.25	4.46	9.79	11.83	10.89	6.20	2.90	0.44	11.83	
19	0.57	0.57	0.55	0.55	0.55	0.65	5.70	7.76	7.55	7.55	7.18	7.55	6.36	4.93	3.99	3.01	3.01	7.55	11.32	10.82	11.87	8.56	6.31	0.57	11.87	
20	1.20	0.57	0.57	0.57	0.57	2.88	5.00	7.22	8.03	5.01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.32	10.01	12.50	12.50	10.01	8.33	1.66	12.50	
21	0.55	0.30	0.30	0.30	0.30	0.57	0.57	2.00	3.33	2.22	0.98	0.98	0.65	0.30	0.30	0.36	0.36	2.84	6.00	12.00	12.88	12.18	5.00	1.95	12.88	
22	1.66	2.01	1.55	1.55	1.55	1.55	3.22	2.66	2.66	2.57	2.57	2.57	0.77	0.77	0.77	0.77	1.02	3.22	5.66	6.66	10.02	13.37	10.01	5.55	13.37	
23	2.80	1.55	1.55	1.55	1.55	3.77	2.50	3.80	3.55	3.55	2.50	2.99	1.57	1.55	1.55	1.57	1.57	3.50	5.86	9.55	9.55	5.97	2.90	0.57	9.55	
24	1.80	2.25	0.60	0.60	0.60	2.30	5.00	7.10	6.00	4.50	0.35	0.30	0.30	0.35	0.35	0.35	0.35	0.45	3.61	6.10	13.28	5.24	3.78	0.57	13.28	
25	0.21	0.11	0.11	0.11	0.10	0.11	0.36	0.36	0.66	0.36	0.21	0.18	0.11	0.11	0.11	0.21	0.21	0.36	3.55	6.00	8.66	3.55	1.65	0.11	8.66	
26	0.36	0.21	0.21	0.21	0.09	0.09	0.33	0.75	1.50	0.95	0.36	1.15	0.36	0.36	0.36	0.36	1.65	3.85	5.34	8.00	11.00	5.55	3.31	1.50	11.00	
27	0.18	0.11	0.11	0.11	0.09	0.09	0.11	1.65	1.65	1.65	0.50	0.50	0.50	0.50	0.70	0.70	1.65	2.00	11.50	16.30	19.20	13.00	7.80	2.00	19.20	
28	0.79	0.56	0.56	0.65	0.65	0.65	1.23	4.63	1.15	1.70	2.11	1.70	1.00	1.19	1.75	2.55	1.70	3.25	7.69	12.03	13.62	12.88	7.73	2.88	13.62	
29	0.56	0.56	0.22	0.22	0.22	0.66	0.65	1.00	1.00	1.00	0.40	0.40	0.40	0.40	0.40	0.56	0.56	5.00	5.90	6.66	8.66	8.88	3.03	1.00	8.88	
30	0.56	0.56	0.33	0.33	0.56	0.33	0.56	0.56	0.56	0.56	0.03	0.03	0.03	0.03	0.07	0.07	0.07	0.76	0.98	11.00	16.65	9.55	4.00	0.33	16.65	
31	0.75	0.30	0.50	0.50	0.50	0.56	0.56	0.56	0.88	0.50	0.50	0.50	0.50	0.50	0.50	1.50	1.25	1.55	1.56	4.56	11.00	6.88	3.50	0.50	11.00	

Bulgaria July 2018

Congestion Income RO



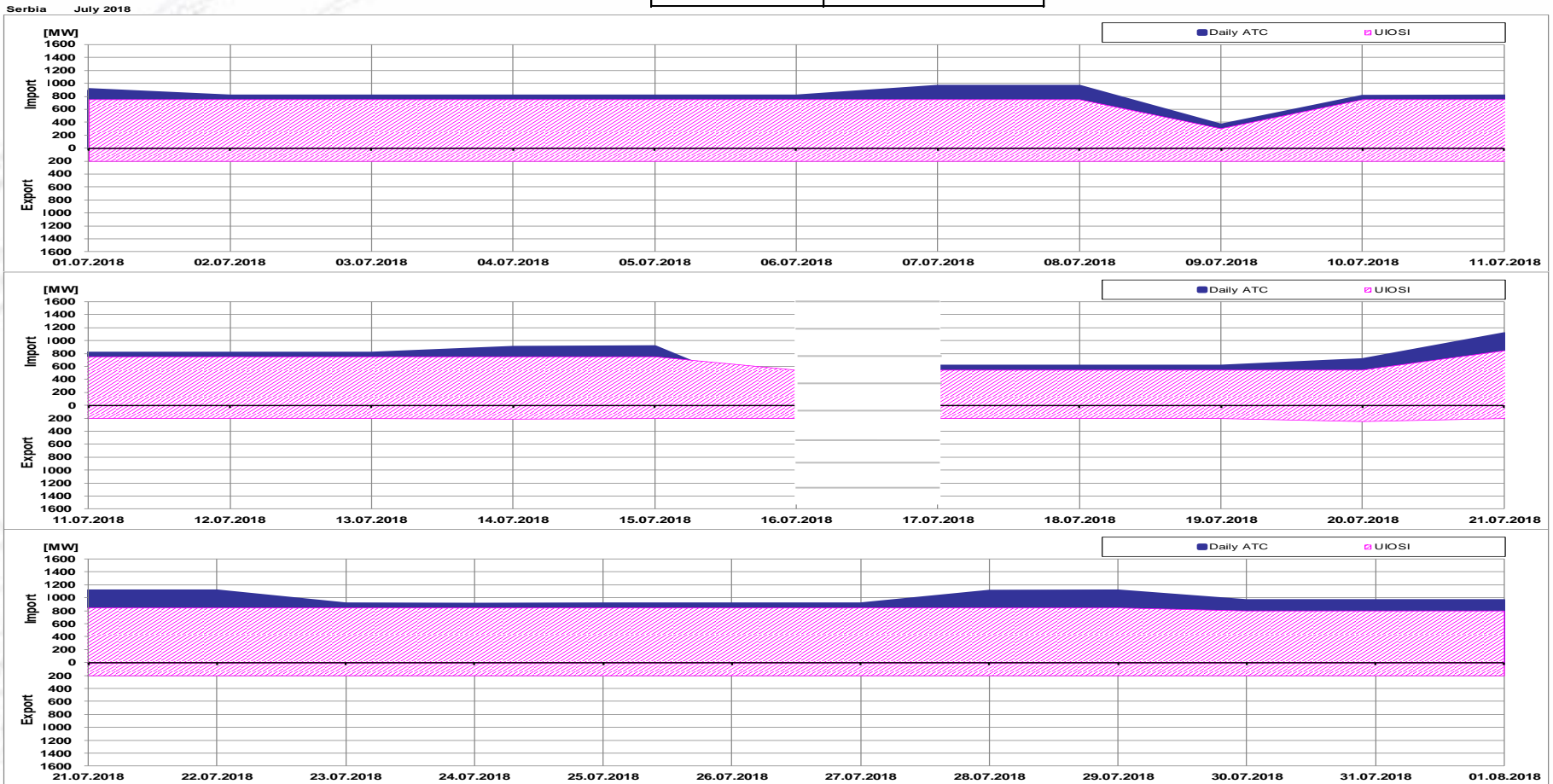
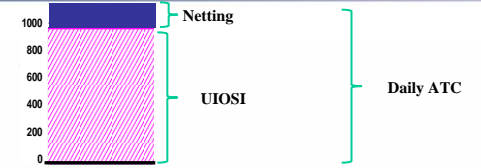
Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.07	10844	5422
02.07	22407	11204
03.07	33571	16786
04.07	16404	8202
05.07	14648	7324
06.07	5646	2823
07.07	10851	5425
08.07	5712	2856
09.07	3869	1935
10.07	7729	3865
11.07	11495	5747
12.07	6789	3394
13.07	5117	2559
14.07	9669	4834
15.07	17008	8504
16.07	12823	6411
17.07	12714	6357
18.07	22675	11337
19.07	26584	13292
20.07	19889	9944
21.07	14230	7115
22.07	17658	8829
23.07	14690	7345
24.07	12901	6451
25.07	7182	3591
26.07	9605	4803
27.07	15736	7868
28.07	17175	8587
29.07	9502	4751
30.07	9341	4671
31.07	9018	4509
Total	413481	206740

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
81105	332375	49512	246044
413481		295556	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
117925	58962

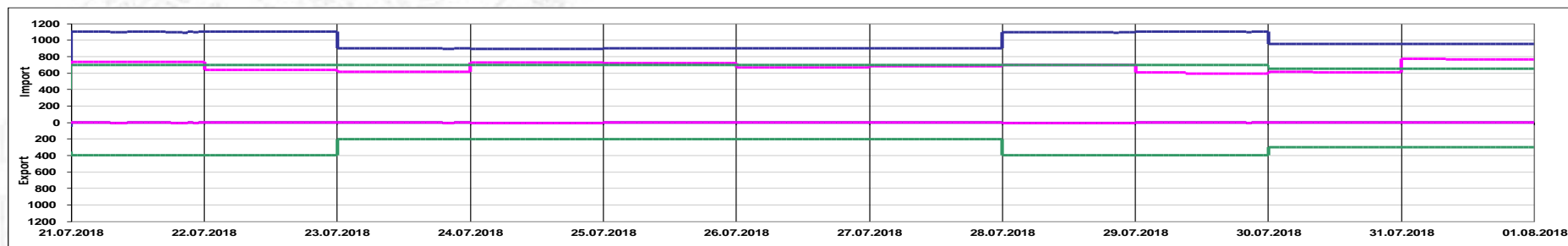
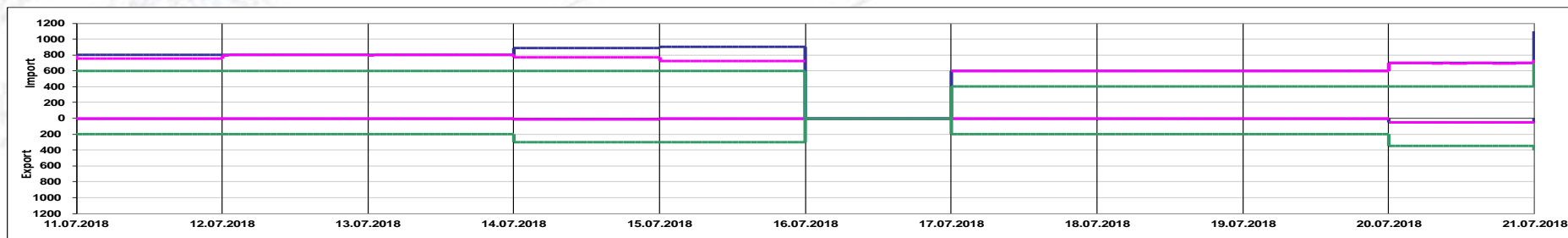
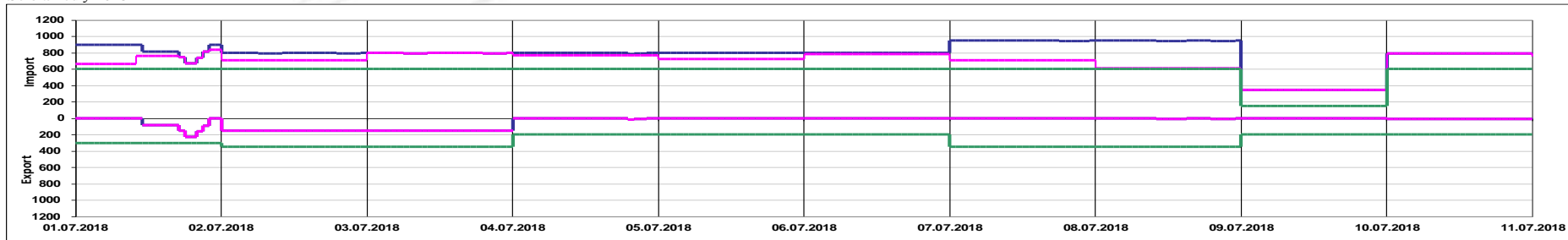
Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
4	585



Note: Due to technical issues on Serbian IT platform, daily auction was canceled for 16.07.2018.

Serbia July 2018



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

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

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

Note: Due to technical issues on Serbian IT platform, daily auction was canceled for 16.07.2018.

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	-	1.75	1.75	1.75	1.75	1.75	0.56	0.14	0.07	0.07	0.14	0.56	0.00	0.00	1.75
2	10.00	10.00	10.00	10.00	10.00	8.04	6.00	6.20	5.40	5.00	3.56	4.02	3.50	3.50	4.55	3.50	2.25	2.25	2.25	2.25	2.25	3.25	5.00	7.92	10.00
3	0.99	1.05	1.17	1.37	1.11	1.27	2.46	2.67	2.00	0.94	0.87	0.87	0.87	0.87	0.87	0.92	0.95	0.93	1.20	1.82	1.53	0.99	1.22	1.69	2.67
4	-	-	-	-	-	-	-	2.18	4.93	-	-	-	-	-	-	-	-	-	5.00	4.00	1.97	4.00	-	-	5.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00	10.00	8.00	10.00	14.00	-	14.00
8	-	-	-	-	-	-	-	-	-	-	5.00	5.00	5.00	5.00	5.00	-	-	-	-	3.00	3.00	3.00	3.00	-	5.00
9	-	-	-	-	-	-	-	-	-	-	6.00	6.00	6.00	6.00	6.00	-	-	-	-	6.00	6.00	6.00	6.00	-	6.00
10	10.00	10.00	10.00	10.00	10.00	9.26	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	9.96	8.88	8.88	12.00	15.25	15.25
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	8.11	12.00	12.00	12.00	12.00	11.00	8.11	8.11	8.11	7.00	5.55	5.55	8.11	8.11	8.11	6.00	7.00	5.92	6.18	5.55	5.55	5.55	6.04	8.65	12.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	2.00	1.50	1.50	-	-	-	-	-	-	-	-	-	1.50	1.50	1.50	-	-	-	2.00
20	4.00	5.62	5.57	5.00	3.50	3.30	2.84	1.32	1.05	1.00	1.65	1.65	1.65	1.67	1.65	1.20	0.72	0.65	0.65	0.65	0.65	0.65	1.29	3.30	5.62
21	-	-	-	-	-	-	-	3.50	6.10	6.20	-	-	-	-	-	-	-	3.50	1.83	1.83	1.83	-	1.83	-	6.20
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
23	-	-	-	-	-	-	-	2.00	2.00	2.00	-	-	-	-	-	-	-	-	-	2.00	2.00	-	-	-	2.00
24	24.00	21.00	20.00	19.00	19.00	21.00	19.00	8.00	7.00	6.00	9.00	10.00	8.00	7.22	10.00	11.00	7.61	10.00	12.00	9.00	5.25	8.80	34.00	31.00	34.00
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	8.00	7.00	8.00	6.00	7.00	8.00	6.00	5.86	6.00	5.86	5.86	6.00	6.00	6.00	6.00	6.00	6.00	5.86	5.86	5.86	2.00	5.86	7.00	10.00	10.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	-	-	-	0.88
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Serbia July 2018

Note: Due to technical issues on Serbian IT platform, daily auction was canceled for 16.07.2018.

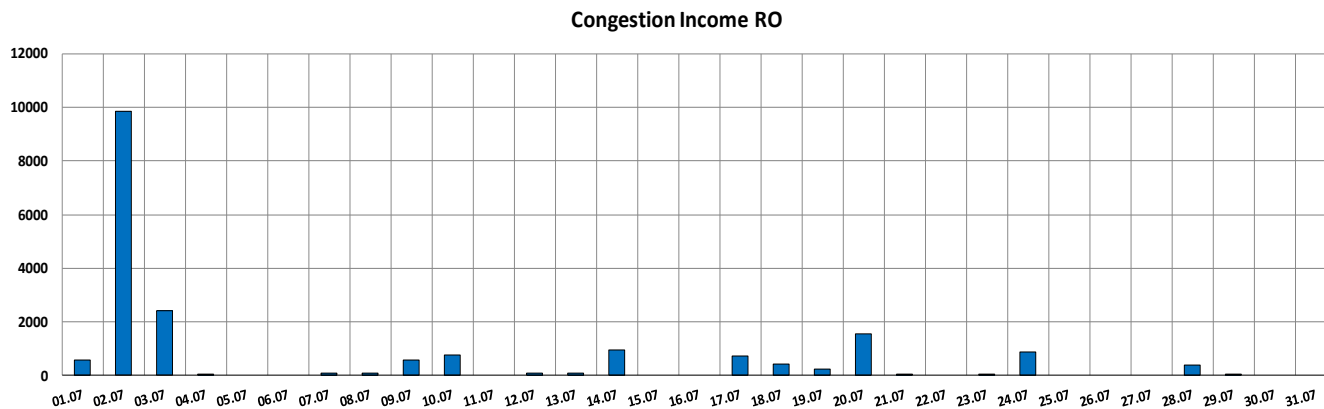
Auction Price [Euro/MWh] – Import

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	0.06	0.10	0.10	0.06	0.03	0.00	0.00	0.10
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	0.01	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
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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.11
10	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
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
12	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
13	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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	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
18	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
19	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
20	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
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 2018

Note: Due to technical issues on Serbian IT platform, daily auction was canceled for 16.07.2018.

Daily Allocation on Romanian – Serbian border

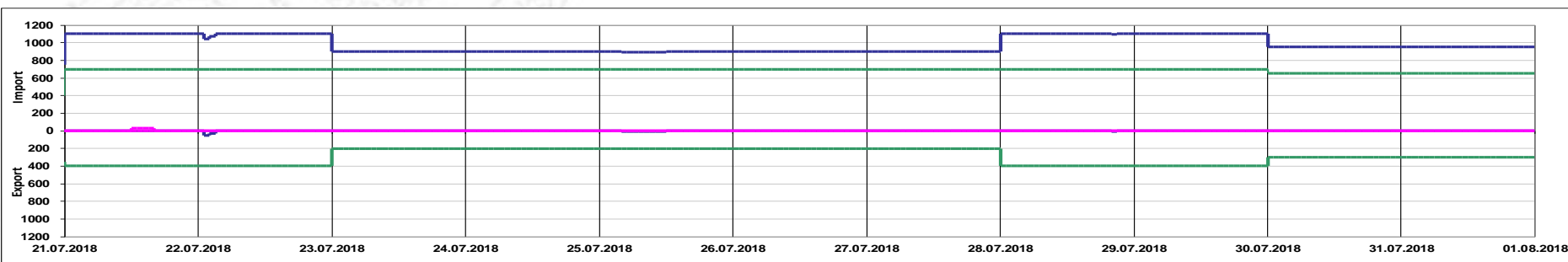
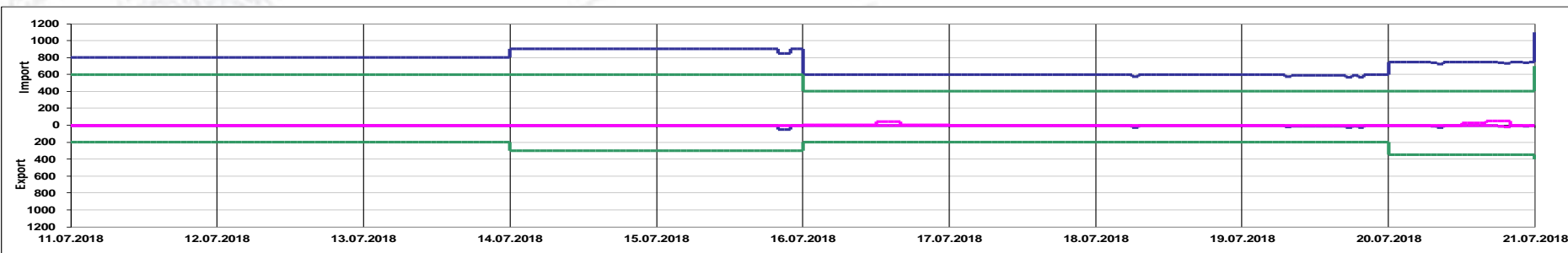
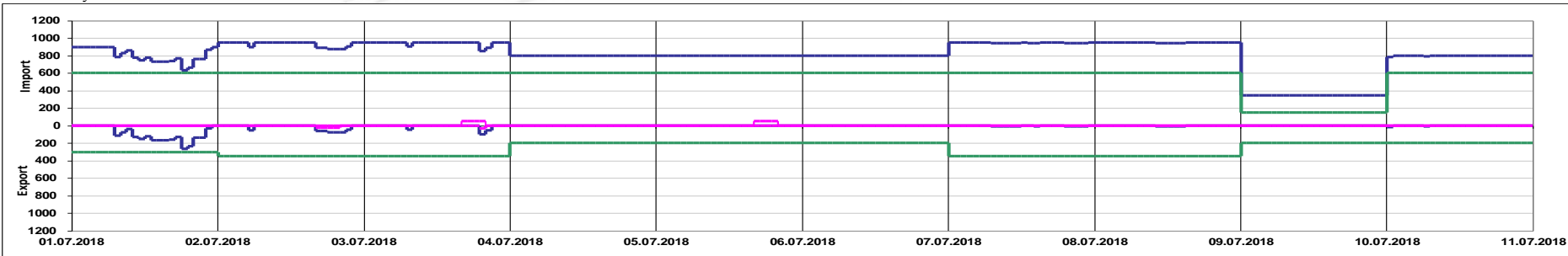


Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.07	1145	573
02.07	19745	9872
03.07	4840	2420
04.07	106	53
05.07	0	0
06.07	0	0
07.07	144	72
08.07	148	74
09.07	1191	595
10.07	1507	753
11.07	0	0
12.07	192	96
13.07	192	96
14.07	1903	952
15.07	0	0
16.07	-	-
17.07	1440	720
18.07	863	431
19.07	456	228
20.07	3121	1560
21.07	118	59
22.07	0	0
23.07	28	14
24.07	1783	892
25.07	0	0
26.07	0	0
27.07	0	0
28.07	751	376
29.07	4	2
30.07	0	0
31.07	0	0
Total	39675	19837

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
34343	5332	10082	3327
39675		13409	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
26266	13133

Serbia July 2018



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

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

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

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
2	-	-	-	-	-	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
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
8	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0.00	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-	-	0.00
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	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
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	0.00
25	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	0.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	0.00	0.00	0.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Serbia July 2018

Statistics on Monthly Auction

July 2018		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	19	-	-	-	-	-	19	19	-	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
	Number of Capacity Holders	11	-	-	-	-	-	11	11	-	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Bids	85	-	-	-	-	-	85	85	-	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
Hungary import	Number of Capacity Traders	12	12	12	12	12	12	12	12	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	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	
	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	
Bulgaria export	Number of Capacity Traders	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	Number of Capacity Holders	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	Number of Bids	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
Bulgaria import	Number of Capacity Traders	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	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	
	Number of Bids	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	
Serbia export	Number of Capacity Traders	12	-	-	-	-	-	12	12	-	-	-	-	-	12	12	-	-	-	-	-	12	12	12	-	-	-	-	-	12	12	12
	Number of Capacity Holders	7	-	-	-	-	-	7	7	-	-	-	-	-	4	4	-	-	-	-	-	6	8	8	-	-	-	-	8	8	4	4
	Number of Bids	43	-	-	-	-	-	43	43	-	-	-	-	-	49	49	-	-	-	-	-	47	47	47	-	-	-	-	46	46	46	46
Serbia import	Number of Capacity Traders	10	10	10	10	10	10	10	10	-	10	10	10	10	10	10	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	
	Number of Capacity Holders	10	10	10	10	10	10	10	10	-	9	9	9	9	9	9	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	
	Number of Bids	22	22	22	22	22	22	22	22	-	23	23	23	23	23	23	25	25	25	25	25	25	23	23	23	23	23	23	23	23	23	
Ukraine export	Number of Capacity Traders	2	-	-	-	-	-	2	2	-	-	-	-	-	2	2	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	
	Number of Capacity Holders	2	-	-	-	-	-	2	2	-	-	-	-	-	2	2	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	
	Number of Bids	6	-	-	-	-	-	6	6	-	-	-	-	-	6	6	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	
Ukraine import	Number of Capacity Traders	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 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	
	Number of Bids	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	
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 2018	Maximum	Minimum
Number of Capacity Traders	19	5
Number of Capacity Holders	11	4
Number of Bids	85	14

Statistics on Daily Auctions

July 2018		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	7	9	7	-	-	7	4	3	9	-	-	-	8	-	-	-	-	5	10	7	0	4	6	-	-	-	7	4	-	-
	Maximum Number of Capacity Holders	5	3	5	2	-	-	1	2	2	2	-	-	-	3	-	-	-	-	2	4	2	0	2	2	-	-	-	2	1	-	-
	Maximum Number of Bids	10	22	27	9			7	4	3	12				14					8	18	10		4	9				10	4		
Serbia Import	Maximum Number of Capacity Traders	7	7	9	9	8	8	8	7	8	10	10	10	10	10	6	-	8	10	9	10	10	6	8	9	7	7	8	8	7	7	8
	Maximum Number of Capacity Holders	7	7	8	9	8	8	8	7	5	8	10	8	8	10	6	-	4	5	7	8	9	6	8	8	7	7	8	8	7	7	8
	Maximum Number of Bids	19	19	25	22	20	21	20	17	18	24	23	24	22	22	19		22	24	22	22	22	16	18	21	19	19	20	21	18	18	22
Bulgaria Export	Maximum Number of Capacity Traders	8	7	9	9	9	10	10	7	7	9	9	9	10	10	8	7	10	10	9	9	10	8	7	10	10	10	9	8	7	7	7
	Maximum Number of Capacity Holders	8	7	8	9	8	8	7	6	7	8	7	8	8	7	6	6	8	8	6	9	10	7	7	10	8	9	8	8	7	7	7
	Maximum Number of Bids	11	14	13	12	13	12	19	12	10	14	14	11	14	15	11	8	15	14	13	12	13	11	11	13	14	13	11	9	11	9	9
Bulgaria Import	Maximum Number of Capacity Traders	9	8	14	13	13	11	9	7	9	11	12	13	11	13	11	10	15	15	15	14	15	12	11	15	14	13	14	14	12	12	13
	Maximum Number of Capacity Holders	8	5	9	10	9	8	7	7	6	8	9	10	10	9	9	9	12	9	10	7	10	8	8	9	11	10	9	10	9	9	9
	Maximum Number of Bids	12	14	22	18	18	16	13	12	16	18	18	20	18	21	16	16	27	25	27	23	23	25	22	22	20	21	24	22	18	21	20

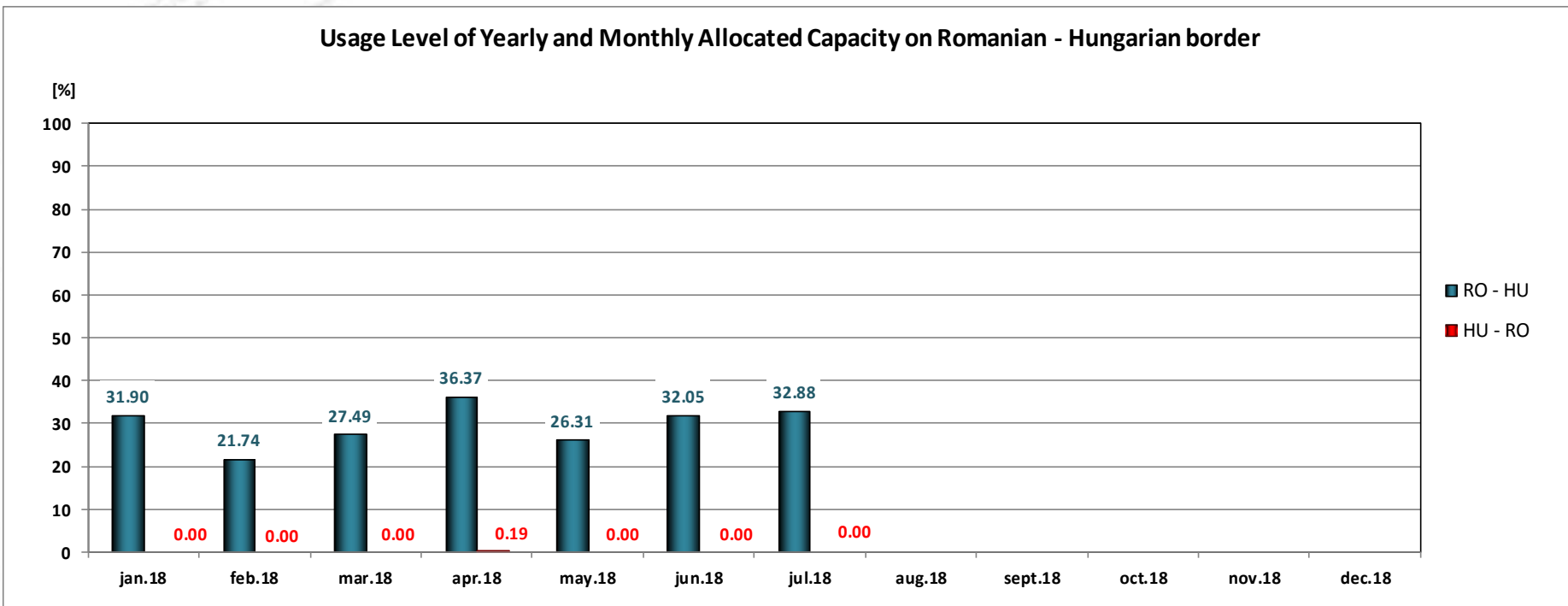
Note: In the table are presented the daily maximum hourly values.

Statistics on Intraday Auctions

July 2018	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	31
Hungary Export	Maximum Number of Capacity Traders	-	1	0	-	-	-	1	1	-	-	0	-	-	0	0	0	1	2	2	0	1	1	1	-	0	1	0	0	0	-	-
	Maximum Number of Capacity Holders	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	1	2	2	-	1	1	1	-	-	1	-	-	-	-	-	-
Hungary Import	Maximum Number of Capacity Traders	0	2	3	2	2	1	1	1	2	2	2	2	2	0	0	2	2	2	2	2	1	1	2	2	2	1	2	0	0	1	1
	Maximum Number of Capacity Holders	0	2	3	2	2	1	1	1	2	2	2	2	2	-	-	2	2	2	2	2	1	1	2	2	2	1	2	-	-	1	1
Serbia Export	Maximum Number of Capacity Traders	0	1	1	-	-	-	0	0	-	0	-	-	-	-	0	-	-	0	0	1	-	0	-	1	0	-	-	0	-	-	-
	Maximum Number of Capacity Holders	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-
Serbia Import	Maximum Number of Capacity Traders	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	Maximum Number of Capacity Holders	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-

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

Usage Level of Allocated Capacity



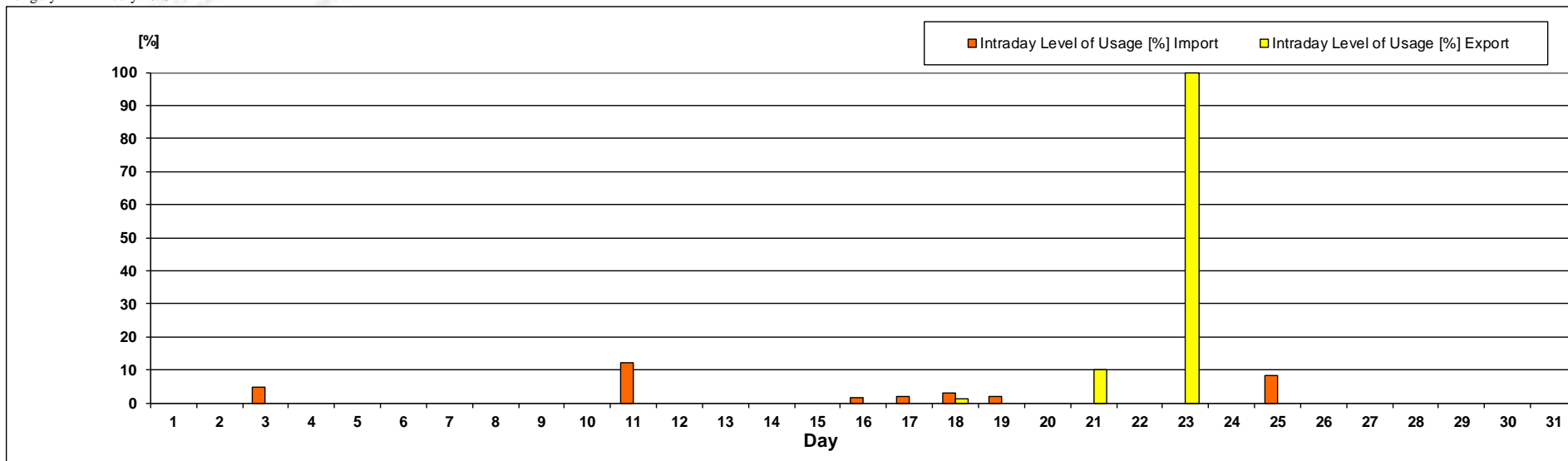
CET

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: 29.82 % on export direction and 0.03 % on import direction.

Usage Level of Intraday Allocated Capacity

Hungary

July 2018



Intraday Level of Usage [%]

July 2018	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	-	0.00	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.24	0.00	0.00	-	-	1.54	1.92	3.14	2.00	0.00	0.00	0.00	0.00	0.00	8.23	0.00	0.00	-	-	0.00	0.00
Export	-	0.00	-	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	0.00	1.09	0.00	-	10.00	0.00	100.00	-	-	0.00	-	-	-	-	-

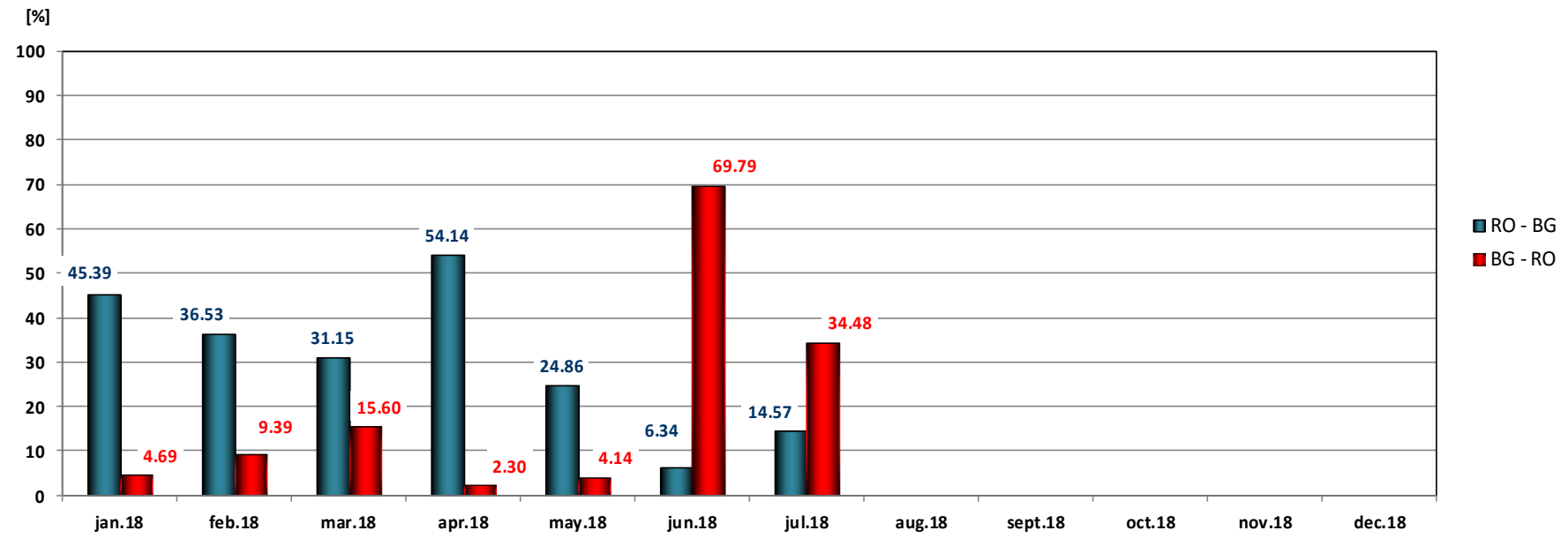
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 1.46 [%]

- Export 0.81 [%]

Usage Level of Allocated Capacity

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



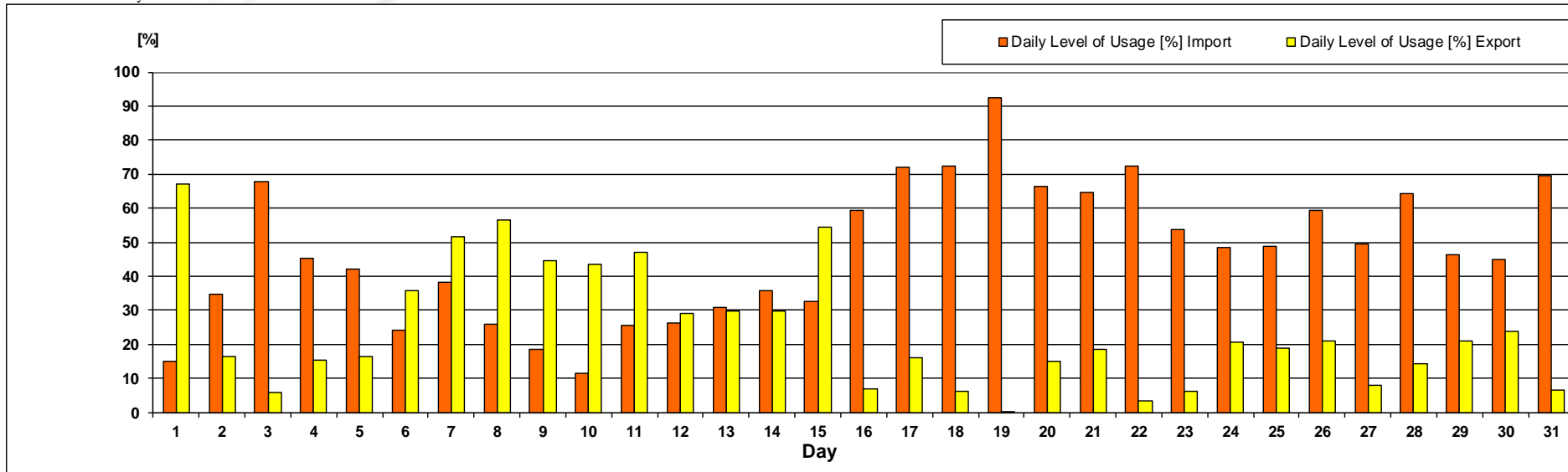
CET

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: 30.43 % on export direction and 20.05 % on import direction.

Usage Level of Daily Allocated Capacity

RO-BG

July 2018



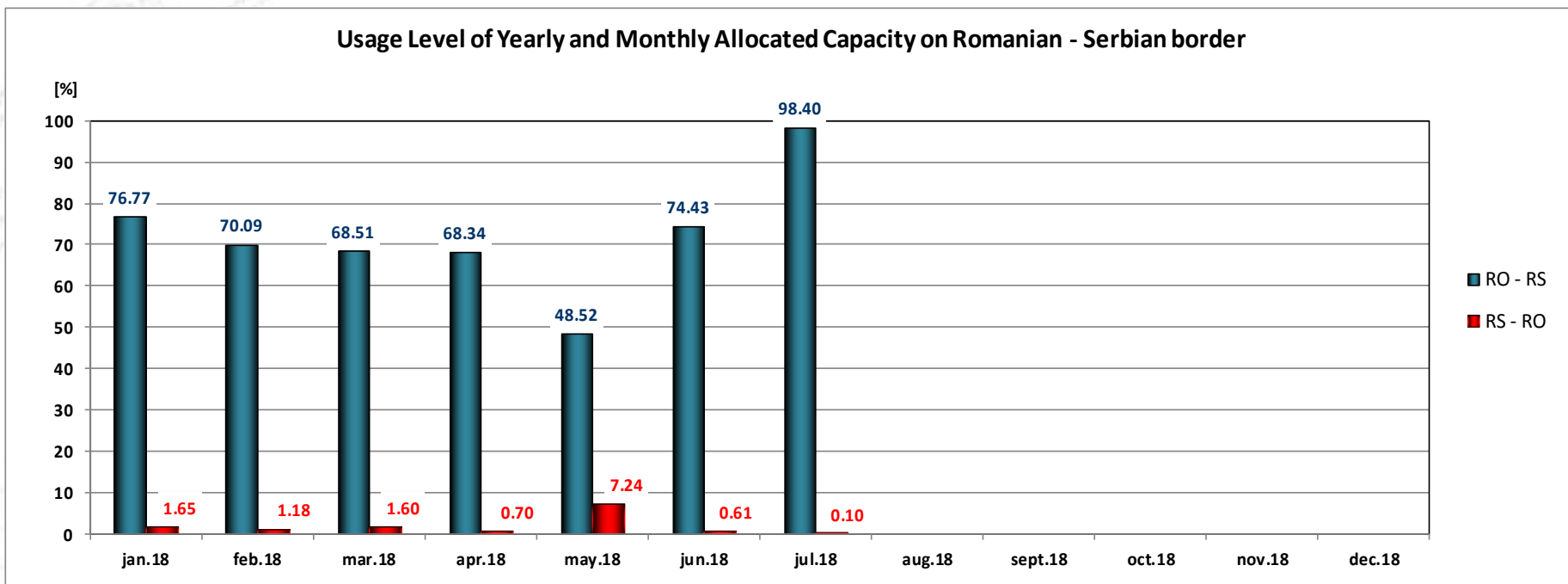
Daily Level of Usage [%]

July 2018	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	14.88	34.80	67.95	45.14	42.17	23.97	38.05	25.98	18.56	11.59	25.61	26.13	30.91	35.88	32.57	59.38	71.88	72.32	92.46	66.29	64.46	72.39	53.81	48.55	48.63	59.42	49.61	64.35	46.28	44.88	69.56
Export	66.98	16.31	5.86	15.16	16.20	35.66	51.72	56.48	44.64	43.56	46.85	28.94	29.75	29.62	54.27	6.75	16.07	6.32	0.19	15.04	18.34	3.43	6.32	20.71	18.98	20.85	7.80	14.25	21.11	23.69	6.46

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 45.61 [%]
- Export 22.83 [%]

Usage Level of Allocated Capacity



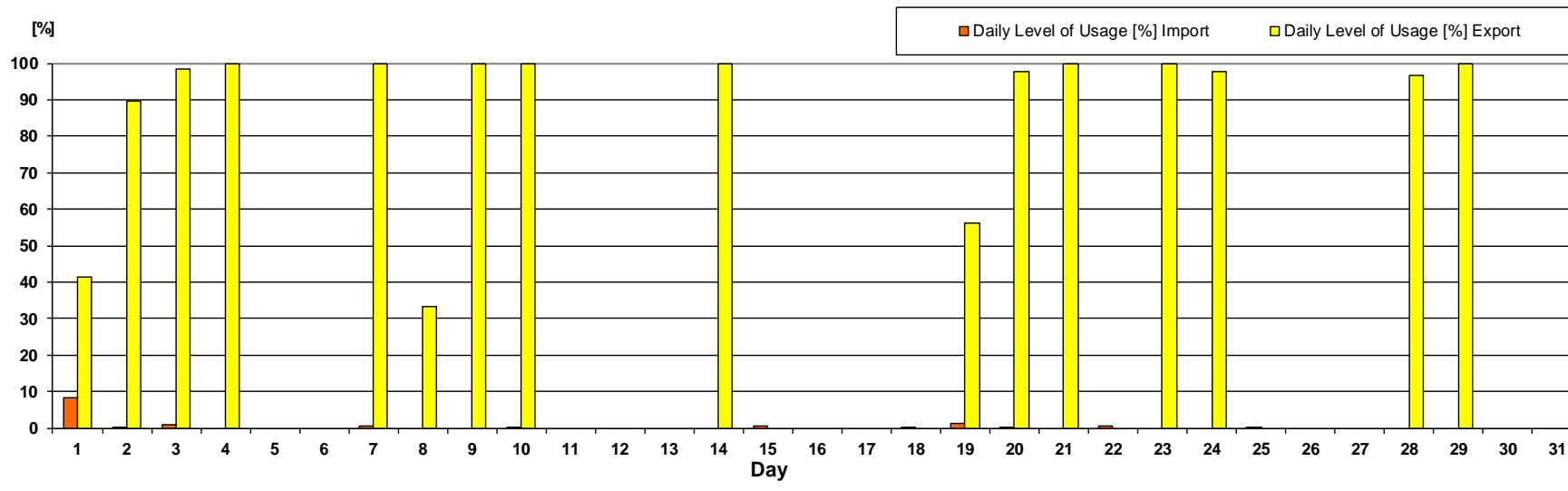
CET

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: 72.15 % on export direction and 1.87 % on import direction.

Usage Level of Daily Allocated Capacity

Serbia

July 2018



Daily Level of Usage [%]

July 2018	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	8.16	0.29	0.73	0.00	0.00	0.00	0.45	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.57	-	0.00	0.27	1.25	0.29	0.00	0.53	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	
Export	41.32	89.45	98.35	100.00	-	-	100.00	33.33	100.00	100.00	-	-	-	100.00	-	-	-	-	56.25	97.59	100.00	-	100.00	97.76	-	-	-	96.72	100.00	-	-

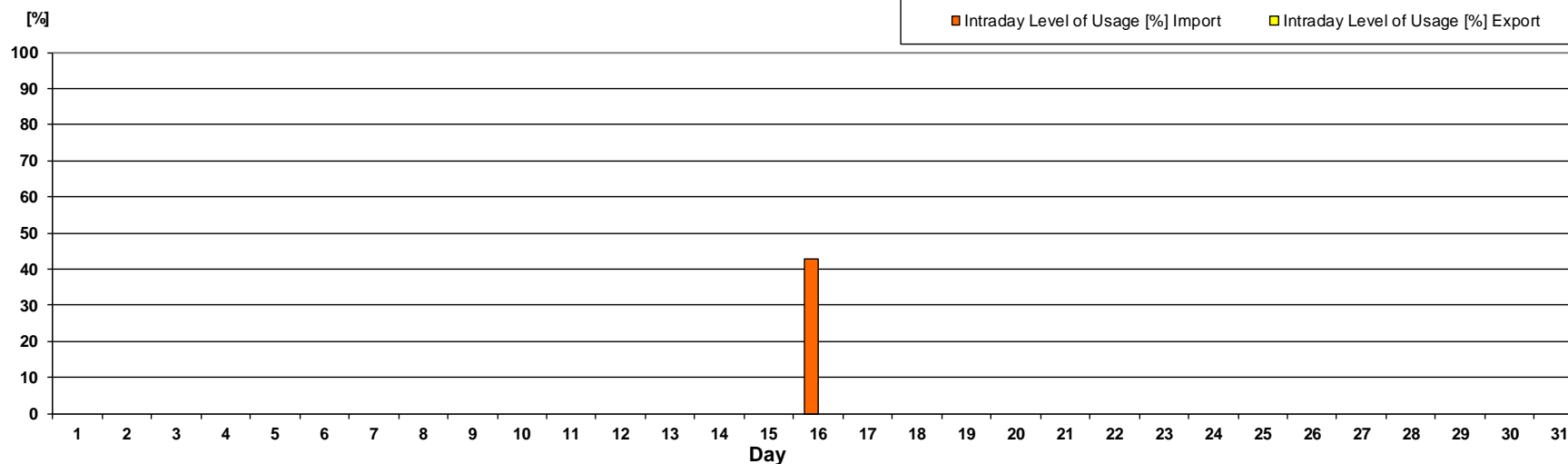
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 0.44 [%]
- Export 87.77 [%]

Usage Level of Intraday Allocated Capacity

Serbia

July 2018



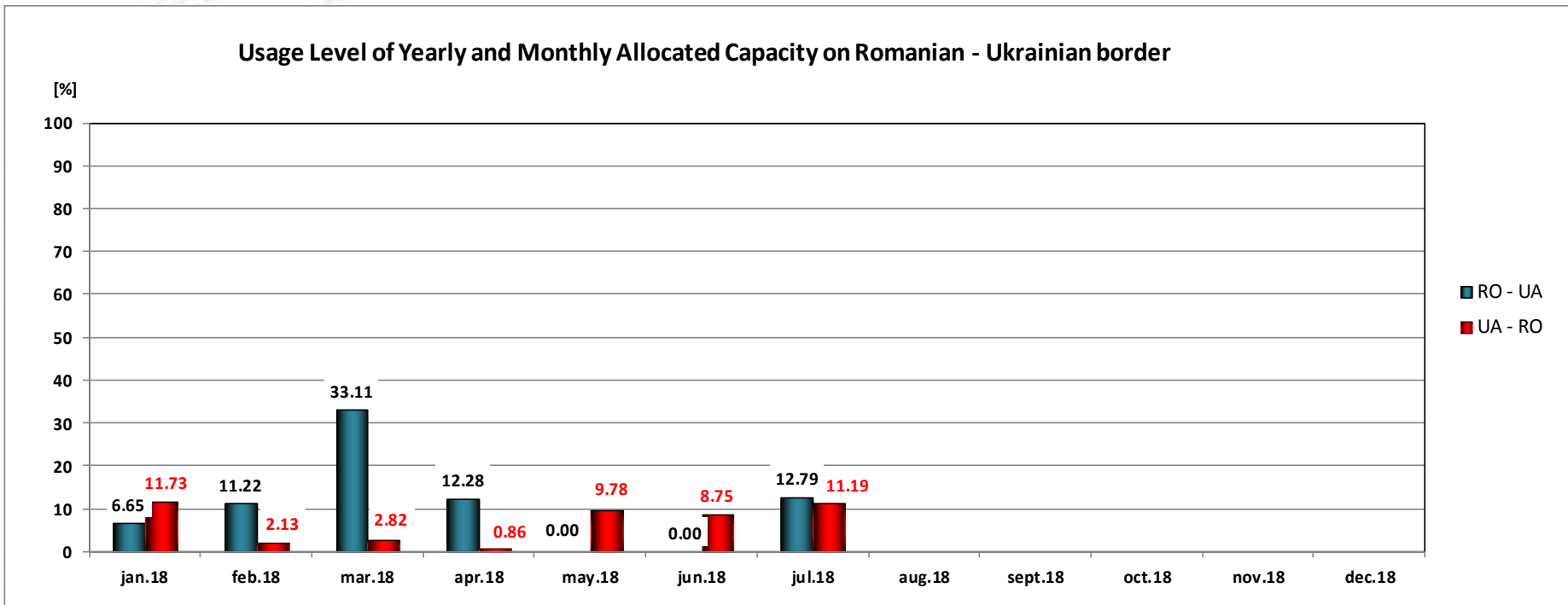
Intraday Level of Usage [%]

July 2018	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	-	-	0.00	-	0.00	-	-	-	-	-	-	-	-	-	-	42.86	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	
Export	-	0.00	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:

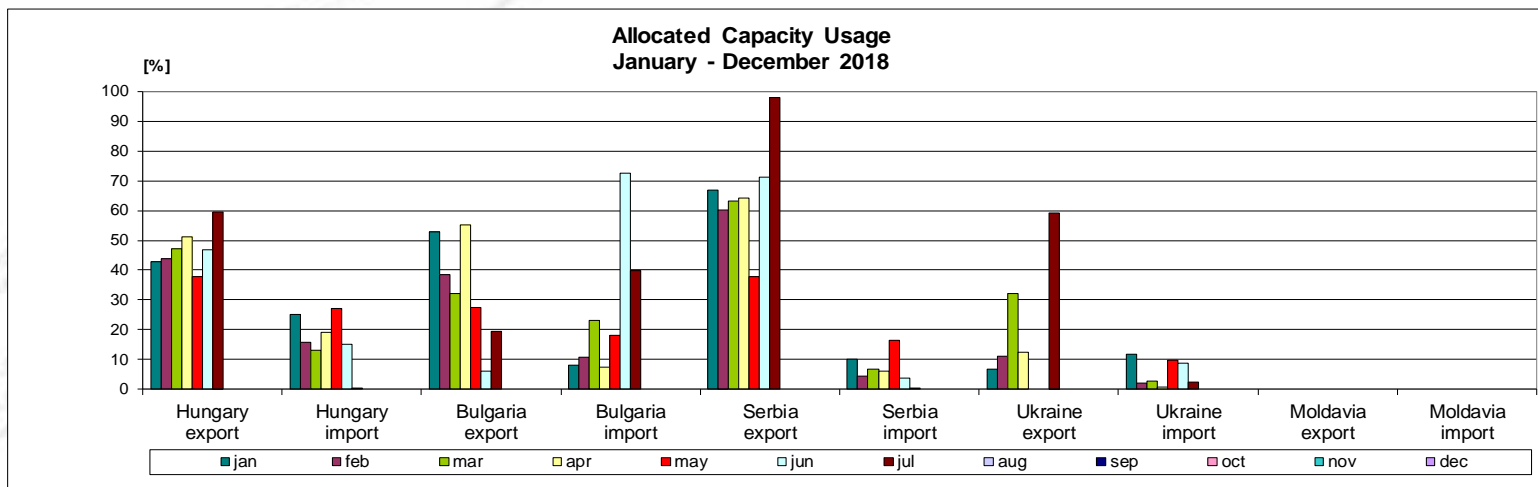
- Import 10.71 [%]
- Export 0.00 [%]

Usage Level of Allocated Capacity



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: 12.68 % on export direction and 6.75 % 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.

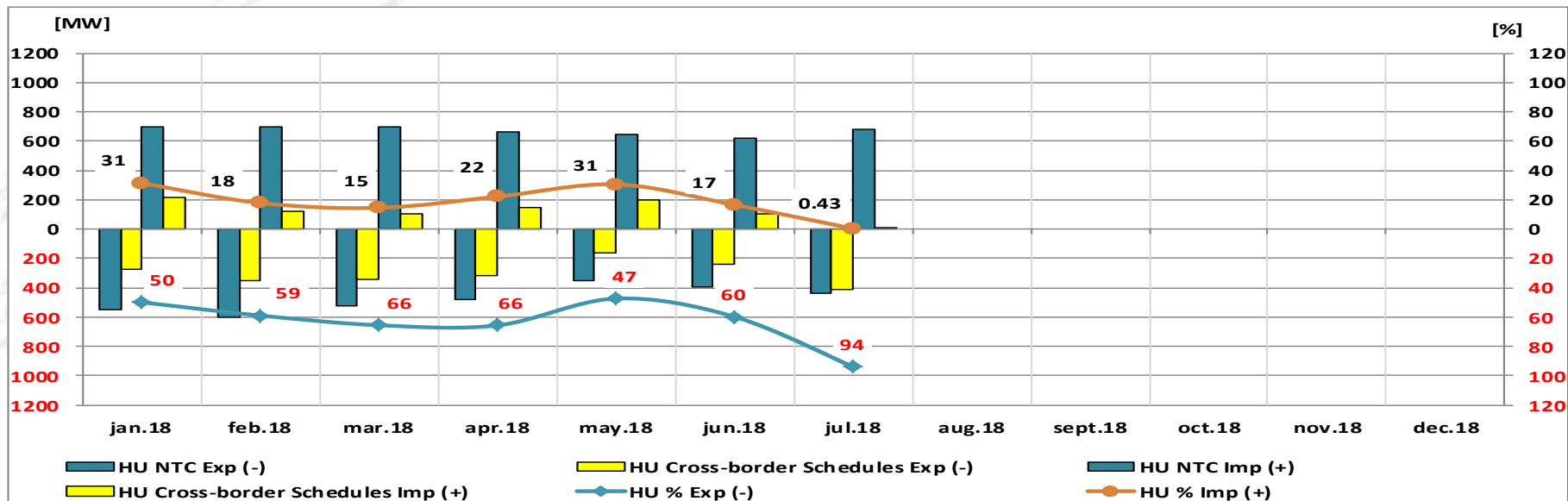
[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	42.85	25.06	52.91	8.06	66.82	10.22	6.65	11.73	-	-
feb	43.95	15.88	38.61	10.71	60.33	4.39	11.22	2.13	-	-
mar	47.22	13.18	32.02	23.10	63.24	6.71	32.07	2.73	-	-
apr	51.30	19.24	55.18	7.41	64.04	6.21	12.28	0.86	-	-
may	37.90	27.21	27.62	17.97	37.67	16.53	-	9.78	-	-
jun	46.67	15.04	6.04	72.46	71.06	3.85	0.00	8.75	-	-
jul	59.56	0.46	19.31	39.85	97.77	0.29	59.31	2.41	-	-
aug										
sep										
oct										
nov										
dec										
average	47.06	16.58	33.10	25.65	65.85	6.89	20.26	5.49	-	-

Type B

In July 2018 the highest levels of usage on export direction was on Serbian border and the highest level of usage on import direction was on Bulgarian border.

Usage Level of NTC on Romanian – Hungarian border

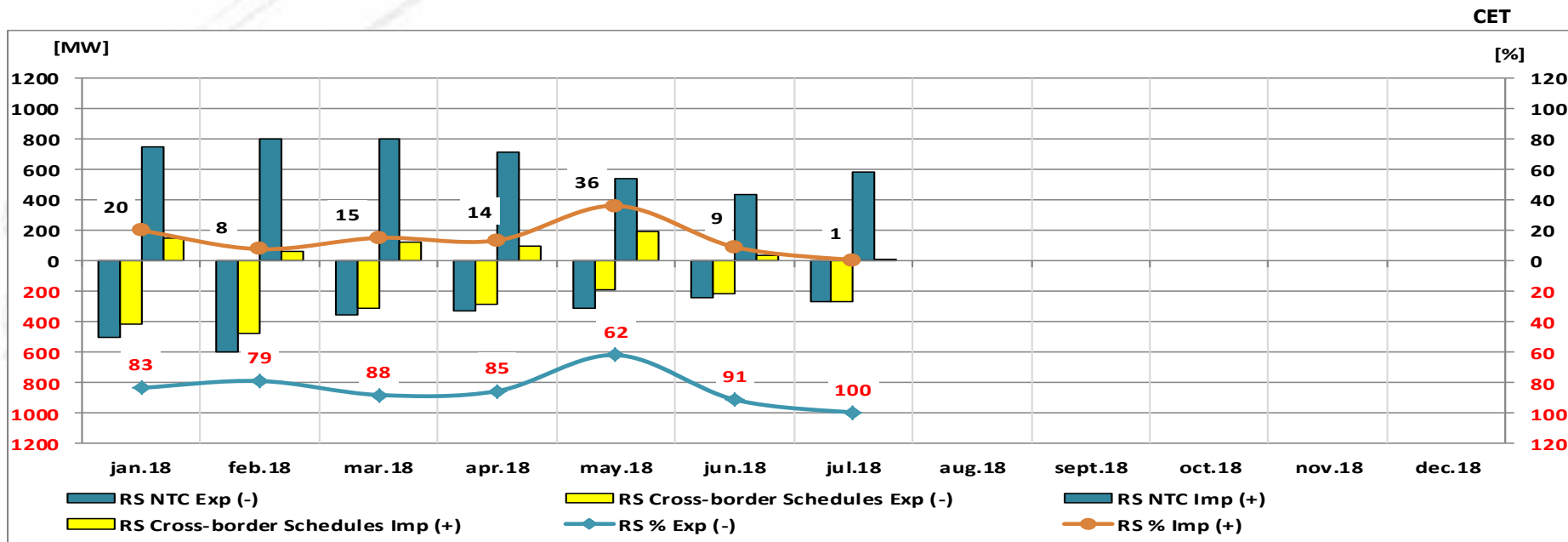
CET



Hungary (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
HU NTC Exp (-)	-550	-600	-525	-483	-350	-397	-434					
HU Cross-border Schedules Exp (-)	-274	-354	-344	-317	-166	-237	-408					
HU NTC Imp (+)	700	700	701	663	650	623	682					
HU Cross-border Schedules Imp (+)	219	125	102	148	199	103	3					

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: 62.99 % on export direction and 19.09 % on import direction.

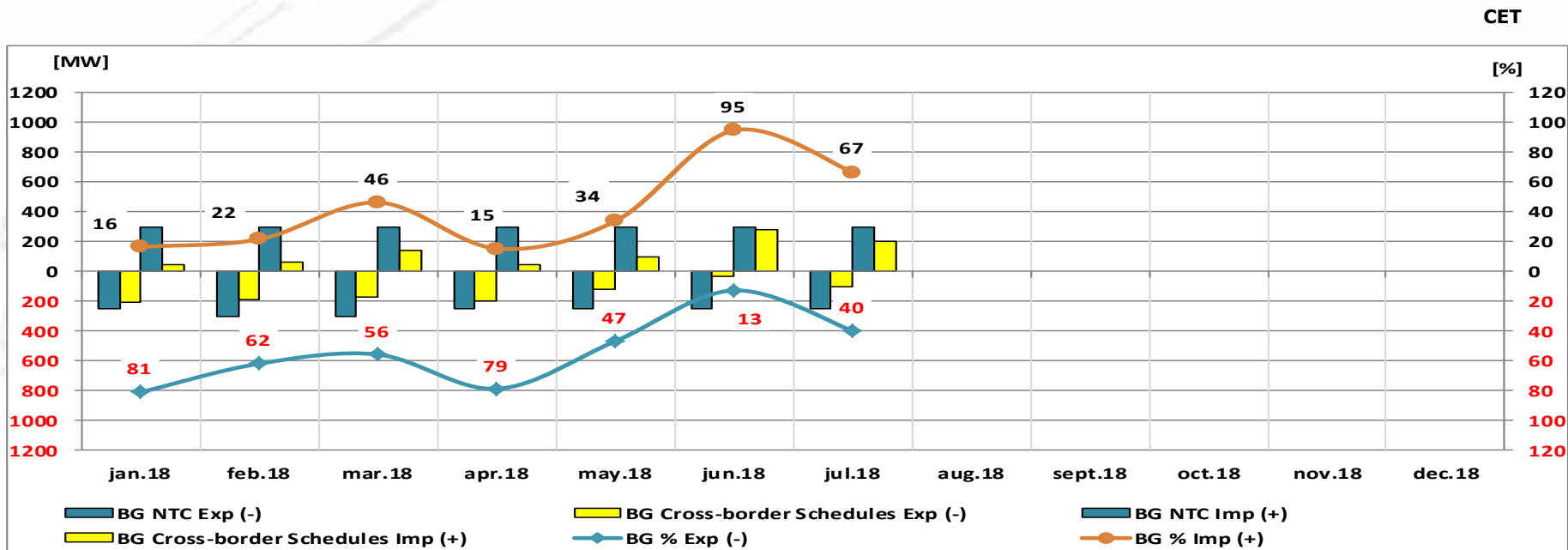
Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
RS NTC Exp (-)	-500	-600	-350	-332	-311	-238	-266					
RS Cross-border Schedules Exp (-)	-416	-473	-308	-283	-192	-217	-265					
RS NTC Imp (+)	750	800	801	717	540	433	585					
RS Cross-border Schedules Imp (+)	151	63	122	97	196	40	4					

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: 83.98 % on export direction and 14.7 % on import direction.

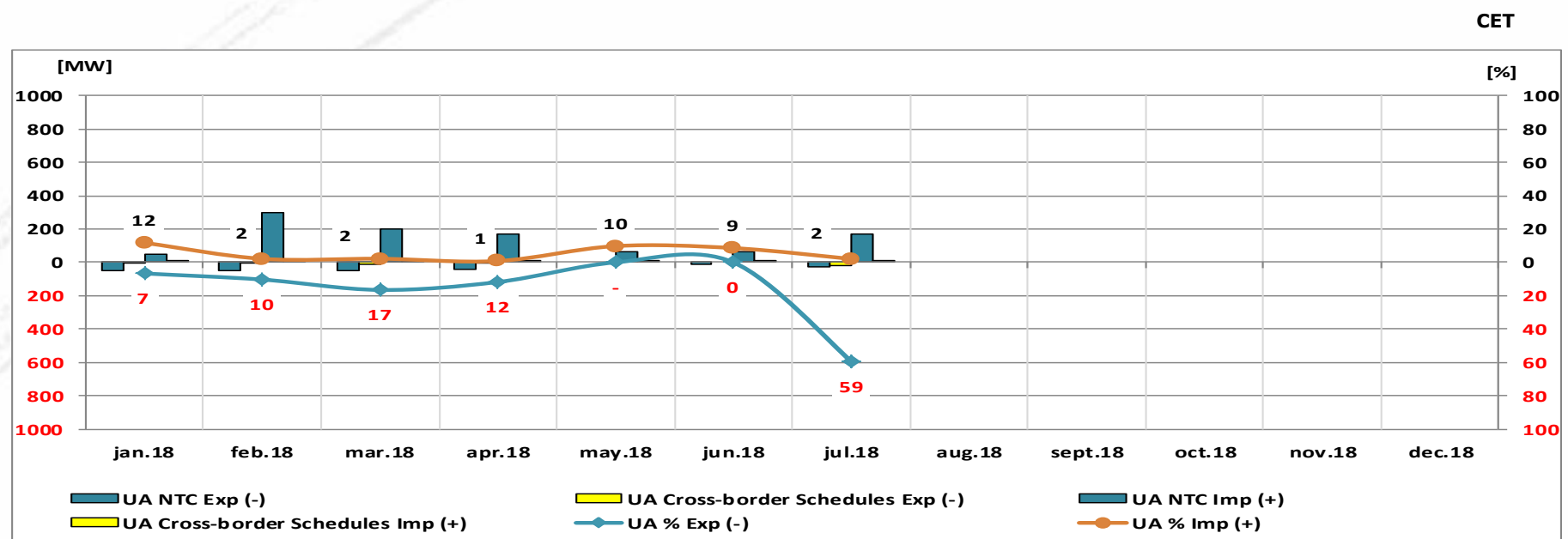
Usage Level of NTC on Romanian – Bulgarian border



Bulgaria (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
BG NTC Exp (-)	-250	-300	-300	-250	-250	-250	-250					
BG Cross-border Schedules Exp (-)	-202	-185	-167	-197	-117	-32	-100					
BG NTC Imp (+)	300	300	300	300	300	300	300					
BG Cross-border Schedules Imp (+)	49	65	139	46	101	284	200					

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: 53.78 % on export direction and 42.16 % on import direction.

Usage Level of NTC on Romanian – Ukrainian border



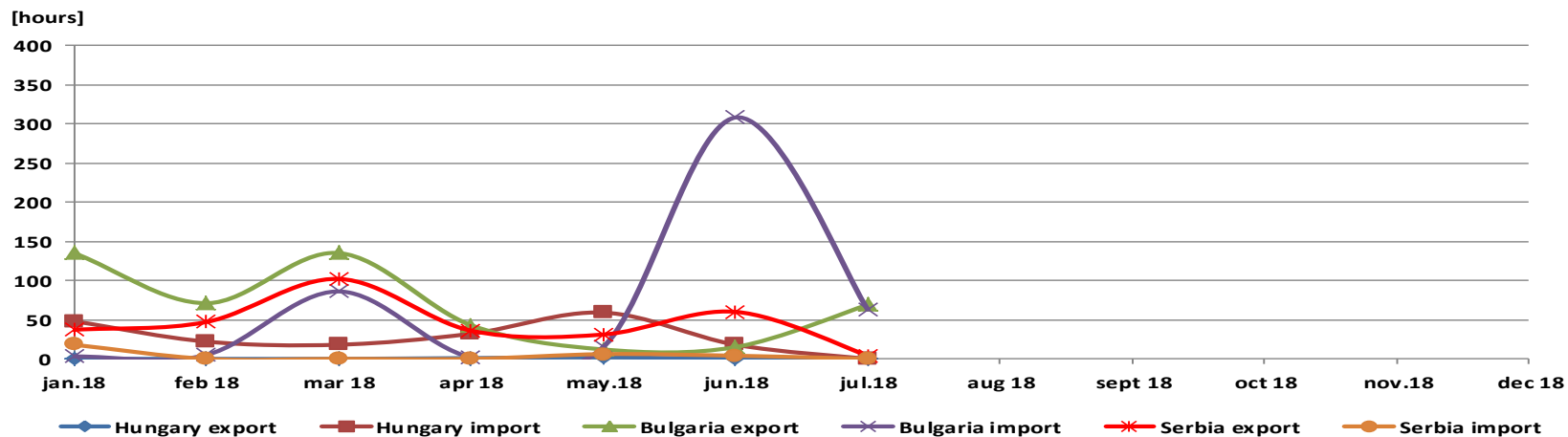
Ukraine (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
UA NTC Exp (-)	-50	-50	-50	-42	0	-10	-27					
UA Cross-border Schedules Exp (-)	-3	-5	-8	-5	-	0	-16					
UA NTC Imp (+)	50	300	200	167	63	63	169					
UA Cross-border Schedules Imp (+)	6	6	4	1	6	5	4					

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: 17.44 % on export direction and 5.33 % on import direction.

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.18	feb 18	mar 18	apr 18	may.18	jun.18	jul.18	aug 18	sept 18	oct 18	nov.18	dec 18
Hungary export	0	0	0	1	2	0	0					
Hungary import	48	22	18	32	59	18	0					
Bulgaria export	135	71	135	43	12	15	69					
Bulgaria import	3	5	86	2	15	308	63					
Serbia export	37	47	102	36	31	60	4					
Serbia import	18	0	0	0	6	4	0					

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.

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

July 2018

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
Hungary import	31.14	65.71	1919	26.90	62.76	1759	-	-	-	72.16	99.29	5821	23.33	57.33	1383
Hungary export	30.00	73.14	1983	24.19	54.89	1368	-	-	-	75.48	100.00	6284	25.56	62.64	1547
Bulgaria import	21.00	51.00	1332	31.25	75.00	2188	33.05	63.67	1824	-	-	-	25.90	50.82	1260
Bulgaria export	32.00	63.00	1834	26.67	58.33	1526	30.41	75.43	2186	-	-	-	26.75	61.69	1575
Serbia import	59.33	82.67	3881	28.64	62.90	1778	28.78	71.21	2131	75.00	100.00	5944	17.56	46.87	1186
Serbia export	36.50	76.00	2323	26.63	72.46	2015	31.05	75.29	2174	100.00	100.00	10000	31.25	61.68	1687
Ukraine import	-	-	-	50.92	78.94	3214	-	-	-	-	-	-	50.92	78.94	3214
Ukraine export	-	-	-	35.29	78.82	2642	-	-	-	-	-	-	35.29	78.82	2642
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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