



Societate Administrată în sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

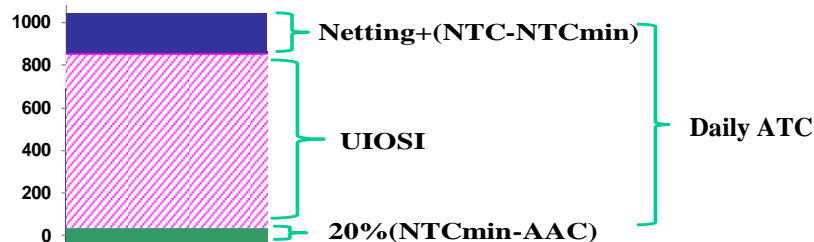
July 2019

- ANRE - Romanian Energy Regulatory Authority
- HHI - Herfindahl-Hirschman Index
- BRP - Balance Responsible Party
- BM - Balancing Market
- DAM - Day Ahead Market
- TSO - Transmission System Operator
- DU – Dispatchable Unit
- PN – Physical Notification
- NDC - National Dispatching Center
- C1 – The market share of the largest market participant
- C3 – Total market share of top 3 market participants
- NPS – Minimum number of residual generators
- TTC – Total Transfer Capacity
- NTC – Net Transfer Capacity
- ATC – Available Transfer Capacity

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 base, 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 2019 :
 - ✓ on the Bulgarian border, the bilateral coordinated allocation is done for 100% of total capacity by Transelectrica for daily auctions where the “netting” principle is applied. 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 and modifications of the notified schedules after 15:30 (CET) in D-1 for day D.
 - ✓ on the Hungarian border, the bilateral coordinated allocation, is done for 100% of total capacity 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 and intra-day auctions. The “netting” is applied to daily and intra-day allocation.
 - ✓ *UIOSI* („ use it or sell it”) principle is applied on Hungarian, Bulgarian and Serbian borders.
 - ✓ starting with 01.01.2019, the long term auctions on Hungarian and Bulgarian borders are held by Joint Allocation Office (JAO) based on Allocation Rules for Forward Capacity Allocation (HAR) and border specific Annex. On these borders it 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;



- Transelectrica’s auctions are held on Damas platform, with euro currency trading;
- On Romania – Bulgaria, Romania – Serbia and 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 and Bulgarian borders are provide by JAO and daily auction results on the Serbian border (auction prices, allocated capacities) are provided by the respective TSO.
- 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.
- Monthly auctions for July 2019 were held as:
 - ✓ import/export Hungary*: 01 – 31.07.2019;
 - ✓ import/export Bulgaria*: 01 – 31.07.2019;
 - ✓ import Serbia: 01 – 05.07.2019; 06 – 24.07.2019; 25 – 31.07.2019;
 - ✓ export Serbia: 01 – 05.07.2019; 06 – 07.07.2019; 08 – 12.07.2019; 13 – 14.07.2019; 15 – 19.07.2019; 20 – 24.07.2019; 25 – 26.07.2019; 27 – 28.07.2019; 29 – 31.07.2019;
 - ✓ import Ukraine: 01 – 28.07.2019
 - ✓ export Ukraine: 01 – 05.07.2019; 06 – 07.07.2019; 08 – 12.07.2019; 13 – 14.07.2019; 15 – 19.07.2019; 20 – 21.07.2019; 22 – 26.07.2019; 27 – 28.07.2019.
- In July 2019 there were no auctions held on Moldavian border.
- Between 29 – 31.07.2019, the 400 kV OHL Rosiori – Mukacevo was out of operation for planned maintenance program, so transfer capacity was not available on the Ukrainian border.

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

Monthly auction Results of 01 – 31 July 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
01 - 05 July 2019	2.71	550	450	100	350	34	114	1443	114	430
06 - 07 July 2019	2.71	600	500	150	350	34	114	1443	114	430
08 - 12 July 2019	2.71	550	450	100	350	34	114	1443	114	430
13 - 14 July 2019	2.71	600	500	150	350	34	114	1443	114	430
15 - 19 July 2019	2.71	550	450	100	350	34	114	1443	114	430
20 - 24 July 2019	2.71	600	500	150	350	34	114	1443	114	430
25 - 26 July 2019	2.71	550	450	100	350	34	114	1443	114	430
27 - 28 July 2019	2.71	600	500	150	350	34	114	1443	114	430
29 - 31 July 2019	2.71	550	450	100	350	34	114	1443	114	430
Hungary import										
01 - 05 July 2019	0.42	700	600	250	350	0	200	2076	200	550
06 - 31 July 2019	0.42	800	700	350	350	0	200	2076	200	550
Bulgaria export										
01 - 31 July 2019	1.36	450	350	201	149	20	180	1293	180	309
Bulgaria import										
01 - 31 July 2019	0.68	500	400	250	150	3	203	1262	203	350

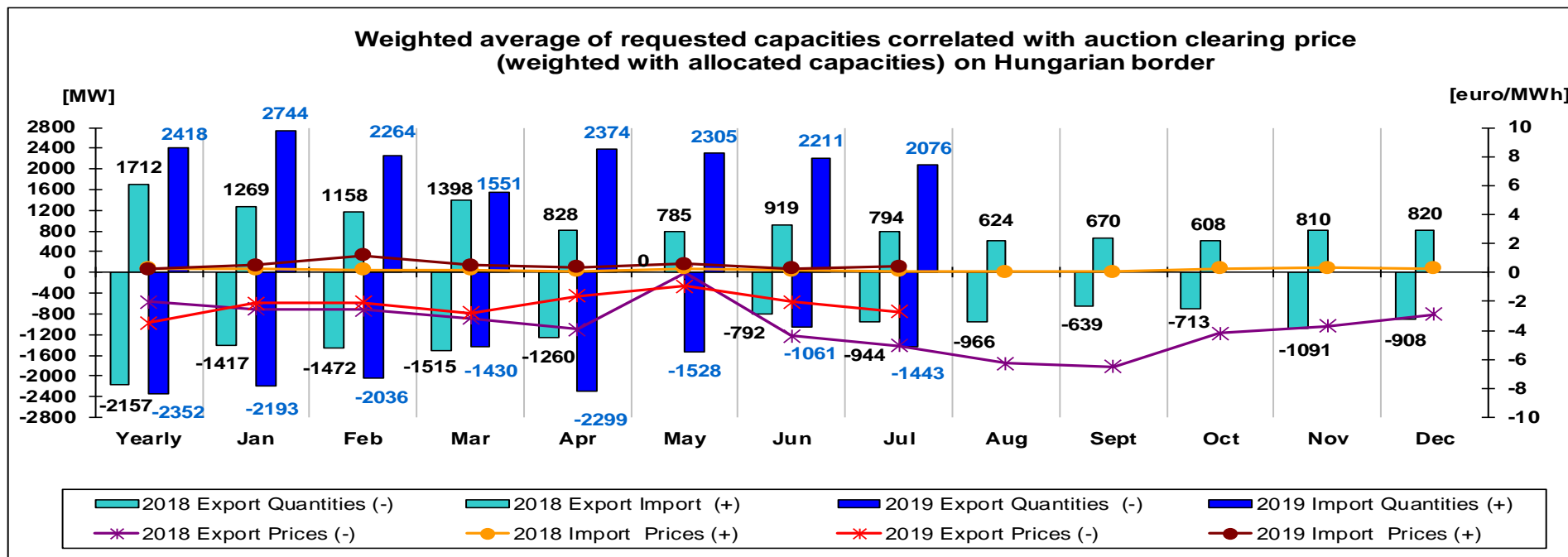
Note: ATC values on Hungarian and Bulgarian borders are calculated before the reservation of capacity. Offered capacity includes reservation and returned capacity.

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

Monthly auction Results of 01 – 31 July 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 05 July 2019	2.28	500	400	200	200	-	200	779	200	400
06 - 07 July 2019	2.12	550	450	250	200	-	250	838	250	450
08 - 12 July 2019	2.34	450	350	150	200	-	150	673	150	350
13 - 14 July 2019	1.97	550	450	250	200	-	250	868	250	450
15 - 19 July 2019	2.34	450	350	150	200	-	150	668	150	350
20 - 24 July 2019	1.89	550	450	250	200	-	250	794	250	450
25 - 26 July 2019	2.19	500	400	200	200	-	200	773	200	400
27 - 28 July 2019	1.74	550	450	250	200	-	250	833	250	450
29 - 31 July 2019	2.49	400	300	100	200	-	100	573	100	300
Serbia import										
01 - 05 July 2019	0.05	600	500	300	200	-	300	848	300	500
06 - 24 July 2019	0.02	750	650	450	200	-	450	994	450	650
25 - 31 July 2019	0.04	650	550	350	200	-	350	893	350	550
Ukraine export										
01 - 05 July 2019	0.02	150	50	50	-	-	50	75	50	50
06 - 07 July 2019	0.01	200	100	100	-	-	100	120	100	100
08 - 12 July 2019	0.02	150	50	50	-	-	50	75	50	50
13 - 14 July 2019	0.01	200	100	100	-	-	100	120	100	100
15 - 19 July 2019	0.02	150	50	50	-	-	50	75	50	50
20 - 21 July 2019	0.01	200	100	100	-	-	100	120	100	100
22 - 26 July 2019	0.02	150	50	50	-	-	50	75	50	50
27 - 28 July 2019	0.01	200	100	100	-	-	100	120	100	100
29 - 31 July 2019	-	0	0	-	-	-	-	-	-	-
Ukraine import										
01 - 28 July 2019	0.18	300	200	200	-	-	200	311	200	200
29 - 31 July 2019	-	0	0	-	-	-	-	-	-	-
Moldavia export										
01 - 31 July 2019	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 31 July 2019	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti										
01 - 31 July 2019	-	-	-	-	-	-	-	-	-	-
RO_Costesti										
01 - 31 July 2019	-	-	-	-	-	-	-	-	-	-
RO_Cioara										
01 - 31 July 2019	-	-	-	-	-	-	-	-	-	-

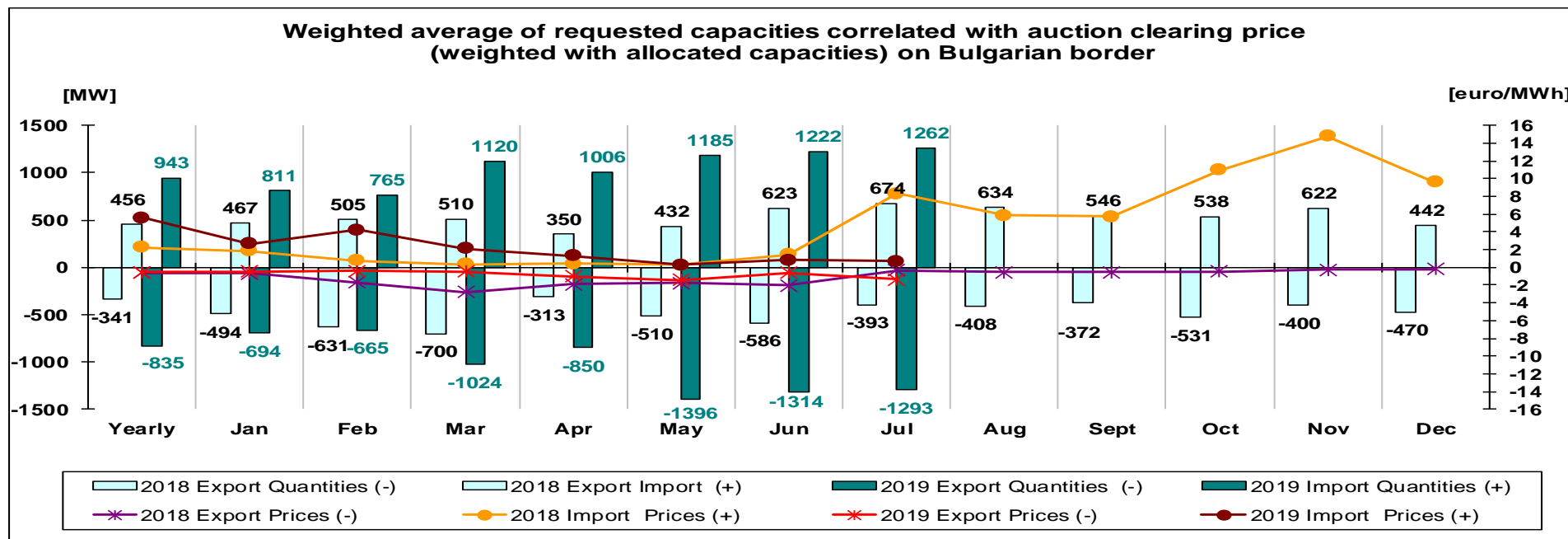
Note: * final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Hungary export	3.46	2.14	2.07	2.81	1.61	0.96	2.02	2.71					
Hungary import	0.24	0.51	1.19	0.49	0.37	0.59	0.27	0.42					

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	6.27	6.51	4.18	3.69	2.87
Hungary import	0.27	0.23	0.20	0.17	0.09	0.25	0.16	0.08	0.04	0.06	0.28	0.30	0.26

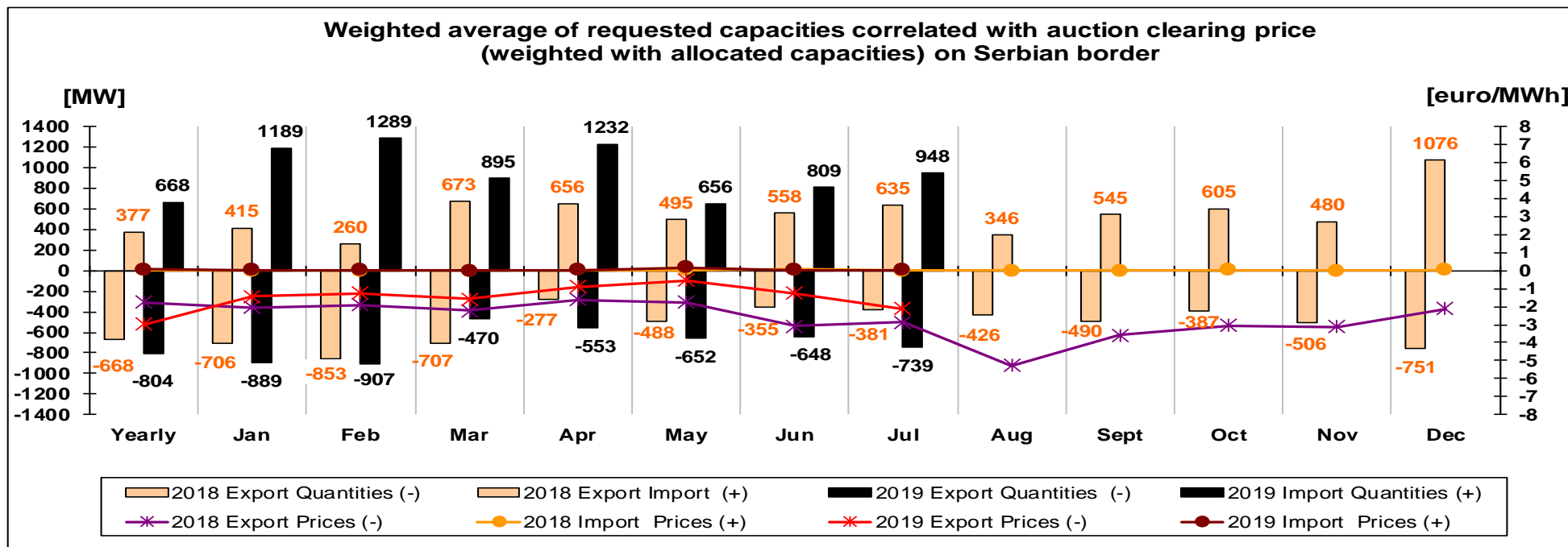
- Compared with previous year, in July 2019 the auction price decreased on export direction, while offered capacity and capacity request were higher. The auction price increased on import direction, while capacity request increased and offered capacity was smaller.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Bulgaria export	0.51	0.47	0.44	0.46	1.03	1.45	0.58	1.36					
Bulgaria import	5.60	2.67	4.24	2.09	1.27	0.27	0.82	0.68					

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	0.55	0.55	0.49	0.26	0.22
Bulgaria import	2.27	1.83	0.72	0.33	0.40	0.30	1.40	8.33	5.85	5.69	10.96	14.78	9.63

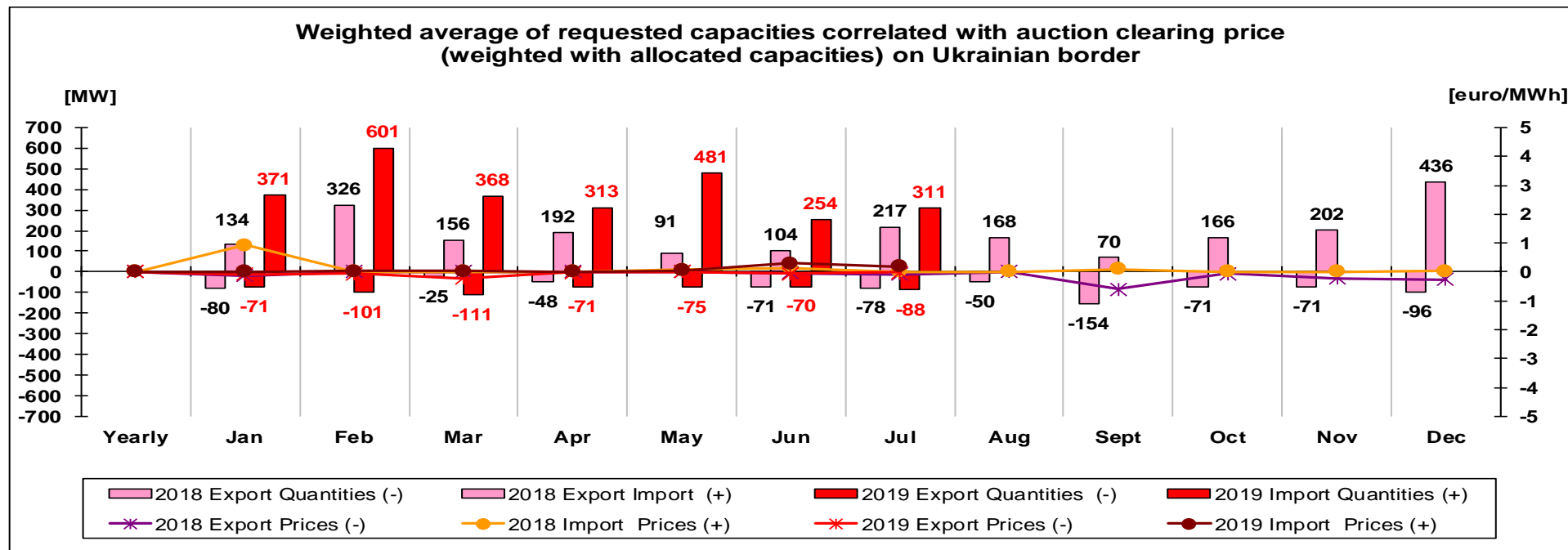
- Compared with previous year, in July 2019 the auction price increased on export direction, while offered capacity and capacity request were higher. The auction price significantly decreased on import direction, while offered capacity and capacity request were higher.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Serbia export	2.97	1.42	1.27	1.58	0.88	0.55	1.24	2.13					
Serbia import	0.07	0.03	0.03	0.01	0.03	0.16	0.04	0.03					

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	5.27	3.60	3.04	3.12	2.12
Serbia import	0.05	0.00	0.00	0.01	0.04	0.03	0.08	0.01	0.00	0.01	0.03	0.00	0.02

- Compared with previous year, in July 2019 the auction price slightly decreased on export direction, while offered capacity and capacity request were higher. In July 2019, monthly auction price maintained low on import direction, while offered capacity decreased and capacity request increased.

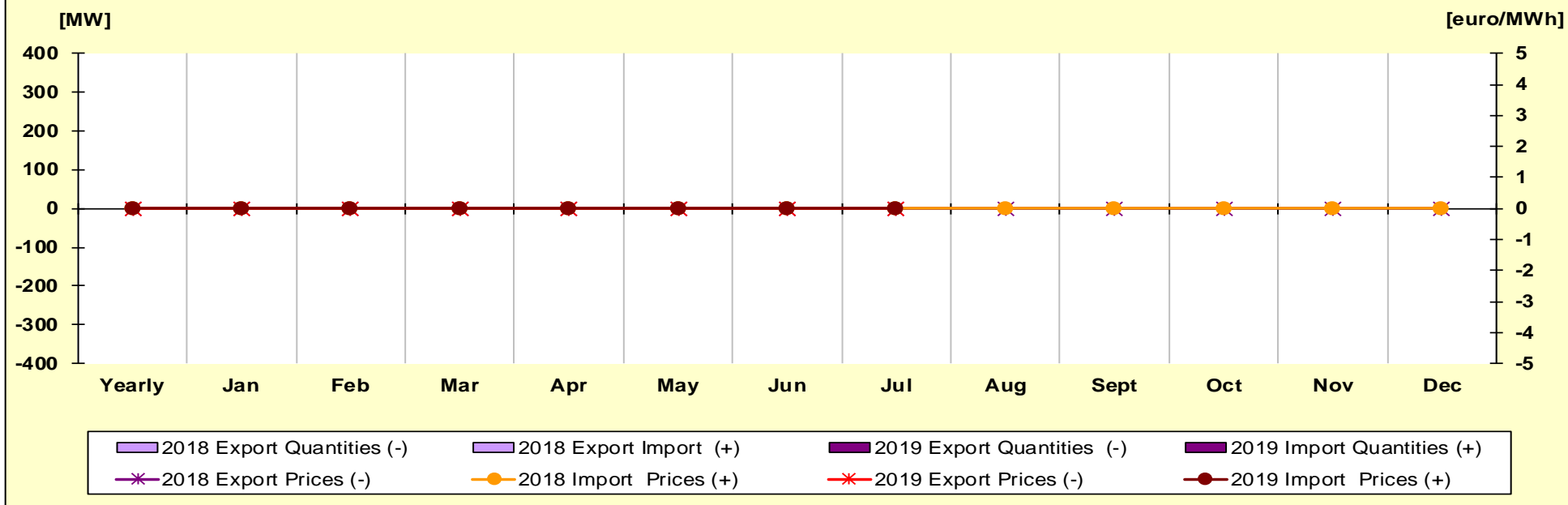


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Ukraine export	-	0.08	0.07	0.22	0.01	0.00	0.07	0.02					
Ukraine import	-	0.00	0.04	0.02	0.00	0.06	0.29	0.18					

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	0.00	0.61	0.06	0.21	0.26
Ukraine import	-	0.92	0.01	0.00	0.00	0.07	0.15	0.01	0.01	0.10	0.00	0.00	0.03

- Compared with previous year, in July 2019 the auction price increased on import direction, while offered capacity and capacity request were higher. On export direction, monthly auction price maintained low while offered capacity and capacity request were higher.

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

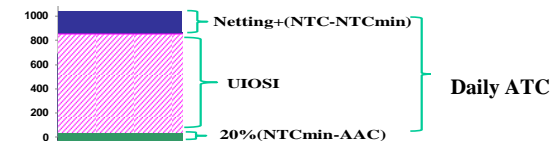


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Moldavia export	-	-	-	-	-	-	-	-					
Moldavia import	-	-	-	-	-	-	-	-					

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	-	-	-	-	-	-	-	-	-	-	-	-	-

Daily implicit Auctions on Romanian – Hungarian border

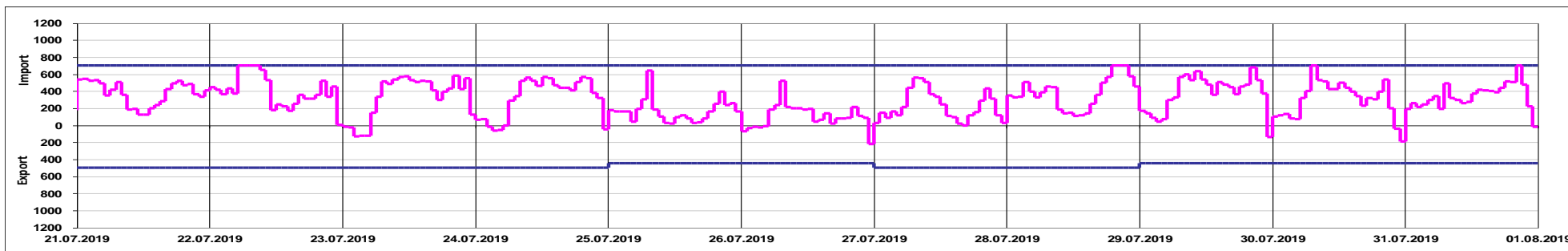
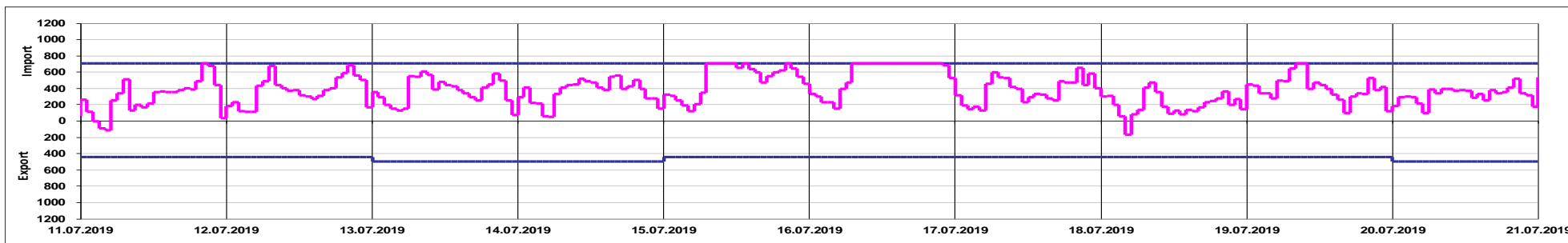
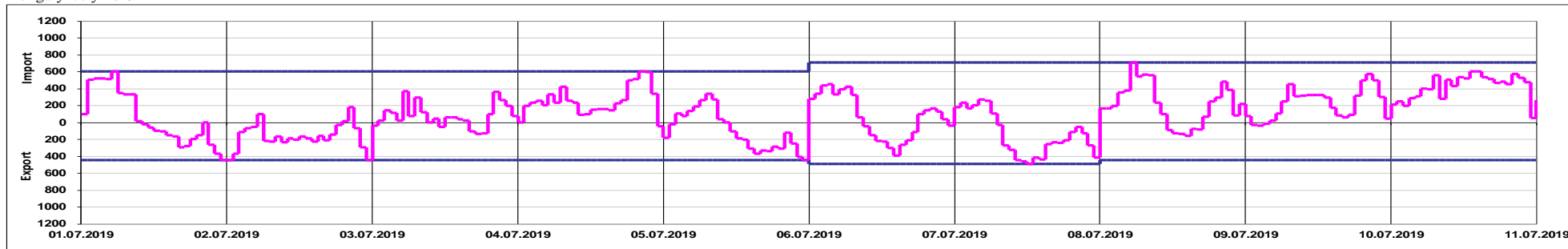
Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
20	50	424	550



Hungary July 2019



Hungary July 2019



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public

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	39.49	27.91	26.03	26.05	26.00	31.04	49.40	71.84	75.97	75.94	73.27	73.70	73.07	70.08	68.70	66.46	79.96	83.20	80.84	76.30	67.23	63.64	60.48	40.13	83.20
2	46.25	39.49	31.04	29.86	28.59	34.65	62.37	70.07	72.98	73.70	72.42	72.46	74.85	73.70	73.09	76.61	83.66	82.43	80.59	80.65	81.56	77.91	69.17	48.54	83.66
3	47.90	39.79	32.04	30.06	30.00	32.16	52.38	63.97	68.06	69.92	70.53	72.55	79.02	78.03	75.92	73.50	74.37	71.48	69.68	71.00	72.70	71.94	64.79	54.27	79.02
4	53.06	41.05	37.88	37.05	35.43	42.30	54.57	67.27	67.37	71.63	71.80	73.70	76.90	75.02	70.04	73.31	77.98	73.07	77.54	77.91	83.84	75.03	70.05	55.01	83.84
5	52.16	49.02	43.78	43.01	40.12	44.34	56.07	67.37	68.61	67.74	67.36	67.34	65.92	64.83	64.40	65.33	65.95	65.94	65.96	67.21	67.01	66.47	66.02	50.47	68.61
6	53.07	50.59	46.02	40.22	32.41	32.36	44.45	51.07	52.37	55.96	57.66	58.85	58.85	58.04	58.51	57.07	59.05	60.75	61.11	63.51	68.89	69.05	55.56	45.05	69.05
7	50.03	44.28	38.16	33.87	24.00	17.88	32.09	40.07	41.70	45.39	48.02	49.77	48.47	45.15	41.70	39.95	40.76	42.00	44.01	43.17	48.00	50.42	42.50	40.00	50.42
8	31.50	30.11	28.13	28.20	27.90	38.00	51.10	65.29	66.05	62.86	61.12	59.07	57.06	56.93	58.84	62.03	63.46	65.00	65.50	71.75	75.91	70.00	63.50	56.05	75.91
9	49.37	47.67	38.60	36.44	36.09	37.21	50.09	64.98	66.24	66.25	64.27	63.99	63.08	61.92	59.29	60.06	60.69	62.40	63.01	63.52	67.52	65.30	59.21	50.08	67.52
10	48.19	45.22	39.50	35.77	35.33	41.84	48.86	67.56	61.99	65.65	60.79	61.10	59.25	58.69	58.05	56.10	54.60	54.62	56.63	57.79	53.50	48.10	41.10	67.56	
11	43.76	35.99	34.89	33.90	33.95	35.29	45.33	54.13	58.81	53.50	51.09	51.47	50.46	49.74	52.40	52.86	53.25	54.17	56.70	59.15	60.72	59.19	55.59	47.02	60.72
12	45.37	43.23	38.62	37.53	36.29	40.86	48.20	55.11	56.45	57.16	55.44	58.05	59.90	59.15	58.73	56.02	56.47	59.39	59.61	59.96	59.91	58.73	55.01	47.57	59.96
13	52.39	47.59	41.38	40.37	38.11	35.91	44.36	53.23	54.59	56.95	57.61	52.60	50.09	50.03	45.99	45.95	46.22	45.09	43.50	46.75	52.60	52.66	45.14	40.11	57.61
14	42.02	39.16	34.88	32.51	33.00	32.55	32.00	33.40	34.80	36.00	36.50	33.81	32.38	34.14	38.05	41.04	45.00	48.26	55.14	67.42	69.05	56.01	46.82	69.05	
15	44.12	38.08	36.71	35.96	36.06	39.07	55.78	62.77	65.41	62.89	62.90	62.77	62.77	62.77	58.54	60.17	62.00	60.82	56.03	57.58	63.89	56.64	56.90	46.33	65.41
16	43.33	41.50	37.30	35.86	35.05	39.70	45.53	65.63	65.78	62.77	67.42	69.53	76.36	73.76	69.96	67.42	69.53	69.53	67.58	71.12	84.54	69.32	61.34	47.80	84.54
17	39.60	37.53	36.92	36.35	36.40	38.04	46.75	53.24	54.98	55.36	54.05	57.37	57.30	56.36	54.95	54.95	56.71	54.23	55.93	59.50	60.05	57.70	53.99	49.58	60.05
18	45.24	41.50	39.14	38.20	38.10	38.86	48.01	59.93	59.28	59.01	54.92	64.09	66.23	67.00	65.00	65.03	65.07	58.61	59.39	60.01	67.38	66.21	63.79	50.56	67.38
19	48.62	44.17	44.11	42.94	40.31	43.77	55.44	69.49	68.00	62.73	58.72	58.72	59.93	57.94	55.02	54.92	61.27	54.69	54.02	55.28	57.02	58.97	58.00	50.07	69.49
20	49.75	43.19	43.11	42.55	39.46	38.31	43.39	53.04	55.03	54.97	51.21	52.01	50.37	50.37	46.38	53.05	55.09	59.38	65.01	63.28	69.56	72.81	61.91	46.03	72.81
21	44.01	40.74	39.00	35.93	32.14	30.00	34.00	34.89	38.87	40.10	39.56	41.00	40.16	40.16	40.16	40.78	41.75	51.91	52.67	57.04	70.01	73.92	64.99	49.21	73.92
22	43.74	41.06	37.83	36.86	36.06	40.16	51.62	62.77	61.93	59.99	57.03	52.38	53.51	50.76	51.94	55.59	58.76	60.55	63.81	65.17	66.13	63.74	63.69	54.00	66.13
23	51.24	39.77	37.25	37.06	36.40	37.75	52.74	71.94	62.06	64.04	63.92	61.97	67.92	67.95	66.87	66.33	67.00	67.54	71.52	73.94	75.21	69.19	63.43	53.70	75.21
24	49.58	43.58	39.50	39.00	39.00	39.87	51.27	57.39	63.13	62.42	61.02	61.02	65.99	66.44	68.03	66.03	67.03	67.54	68.51	72.99	78.56	73.27	63.17	51.65	78.56
25	57.98	51.09	42.21	42.01	40.20	43.92	57.55	68.52	66.03	63.07	61.08	61.36	62.09	63.55	64.03	67.98	69.35	69.44	68.26	73.14	76.19	70.73	74.91	63.18	76.19
26	60.47	51.71	50.02	48.03	47.10	50.79	64.04	67.98	68.59	69.09	69.06	71.52	72.08	73.03	71.41	69.51	69.71	70.10	67.75	69.02	69.08	67.62	62.43	56.91	73.03
27	54.04	44.25	44.05	44.03	40.88	40.16	41.47	50.19	62.02	62.49	64.06	65.02	63.15	58.86	53.78	54.58	56.87	56.07	60.81	61.03	69.07	67.98	58.93	42.38	69.07
28	46.22	43.03	33.59	31.73	30.19	27.59	27.84	32.45	38.29	41.01	43.49	44.49	45.40	42.17	40.19	40.19	42.39	51.58	58.35	63.62	80.00	76.36	47.51	43.88	80.00
29	39.58	36.65	35.03	34.98	34.35	37.01	45.32	84.61	84.61	84.61	79.90	81.87	84.61	84.61	79.94	79.95	65.98	61.98	60.14	68.70	69.60	63.87	59.25	52.03	84.61
30	49.04	43.09	37.37	37.05	37.04	40.09	52.56	71.99	60.04	61.45	60.07	60.12	66.03	68.07	71.45	71.81	68.42	68.48	67.81	67.70	68.02	63.22	66.01	50.77	71.99
31	49.74	42.64	37.01	36.46	37.14	39.67	48.54	75.02	67.06	71.49	73.01	75.02	80.10	80.03	75.09	75.07	76.30	83.94	81.94	75.51	76.61	67.50	58.09	47.33	83.94

Average 55.29 EUR/MWh

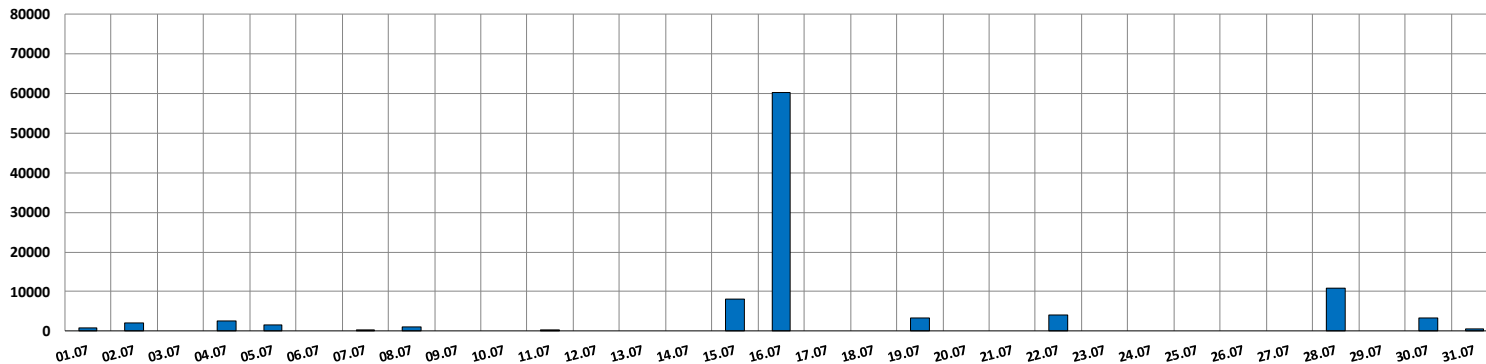
Congestion Prices [Euro/MWh]

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	-	-	-	-	-	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.47	1.82	
2	2.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.51	7.51
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.42	-	-	-	-	8.42
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.88	6.88	
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
7	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	0.18
8	-	-	-	-	-	3.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.14
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	-	-	-	-	0.73
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
15	-	-	-	-	-	-	-	2.81	5.91	2.91	2.95	2.69	-	1.17	-	-	-	-	-	-	-	-	-	-	4.67	5.91
16	-	-	-	-	-	-	-	6.31	9.42	5.87	13.95	12.86	19.83	15.67	11.94	7.49	11.47	10.40	7.59	8.07	22.72	7.29	-	-	22.72	
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
19	-	-	-	-	-	-	-	-	7.96	1.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.96
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
22	-	-	-	-	-	1.49	4.91	3.24	1.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.91
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.28	15.00	11.32	-	-	15.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
30	-	-	-	-	-	-	-	9.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.49
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60	-	-	-	-	1.60

Average 6.89 EUR/MWh

Public

Congestion Income RO

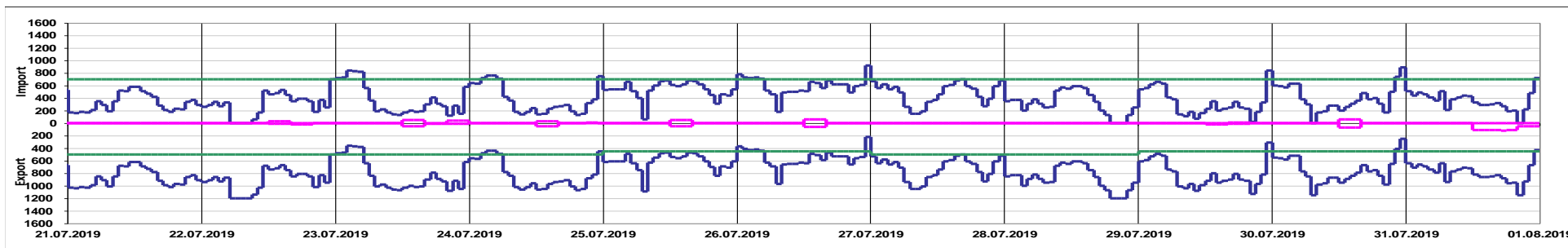
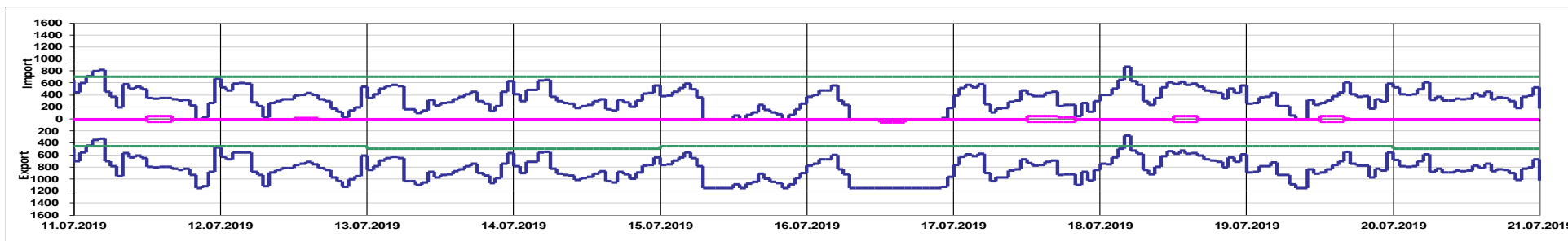
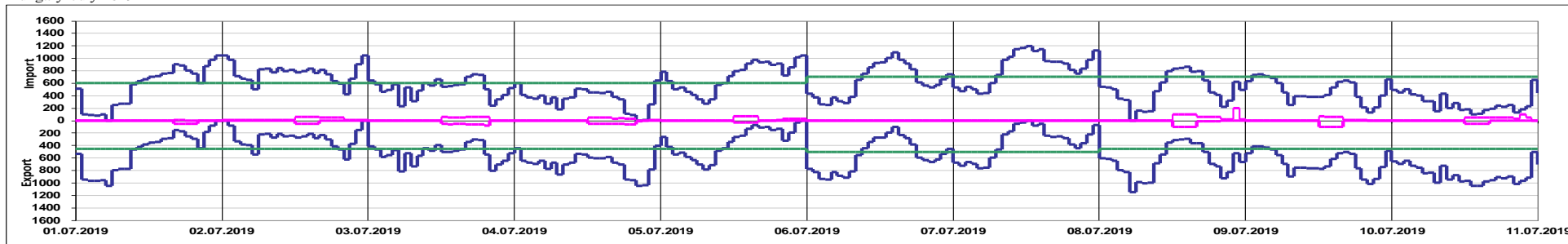


Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.07	1756	878
02.07	4298	2149
03.07	0	0
04.07	5103	2551
05.07	3055	1527
06.07	0	0
07.07	89	44
08.07	2217	1108
09.07	0	0
10.07	0	0
11.07	515	258
12.07	0	0
13.07	0	0
14.07	0	0
15.07	16316	8158
16.07	120641	60321
17.07	0	0
18.07	0	0
19.07	6841	3421
20.07	0	0
21.07	0	0
22.07	8211	4105
23.07	0	0
24.07	0	0
25.07	0	0
26.07	0	0
27.07	0	0
28.07	21604	10802
29.07	0	0
30.07	6700	3350
31.07	1130	565
Total	198474	99237

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
8094	190380	7721	149111
198474		156832	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
41642	20821

Hungary July 2019



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

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

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

Intraday Auctions on Romanian – Hungarian border

Auction Price [Euro/MWh] - Export

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

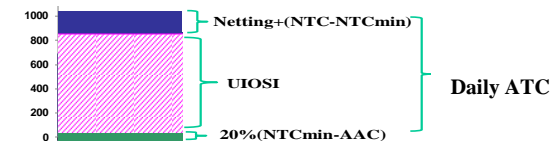
Hungary July 2019

Auction Price [Euro/MWh] - Import

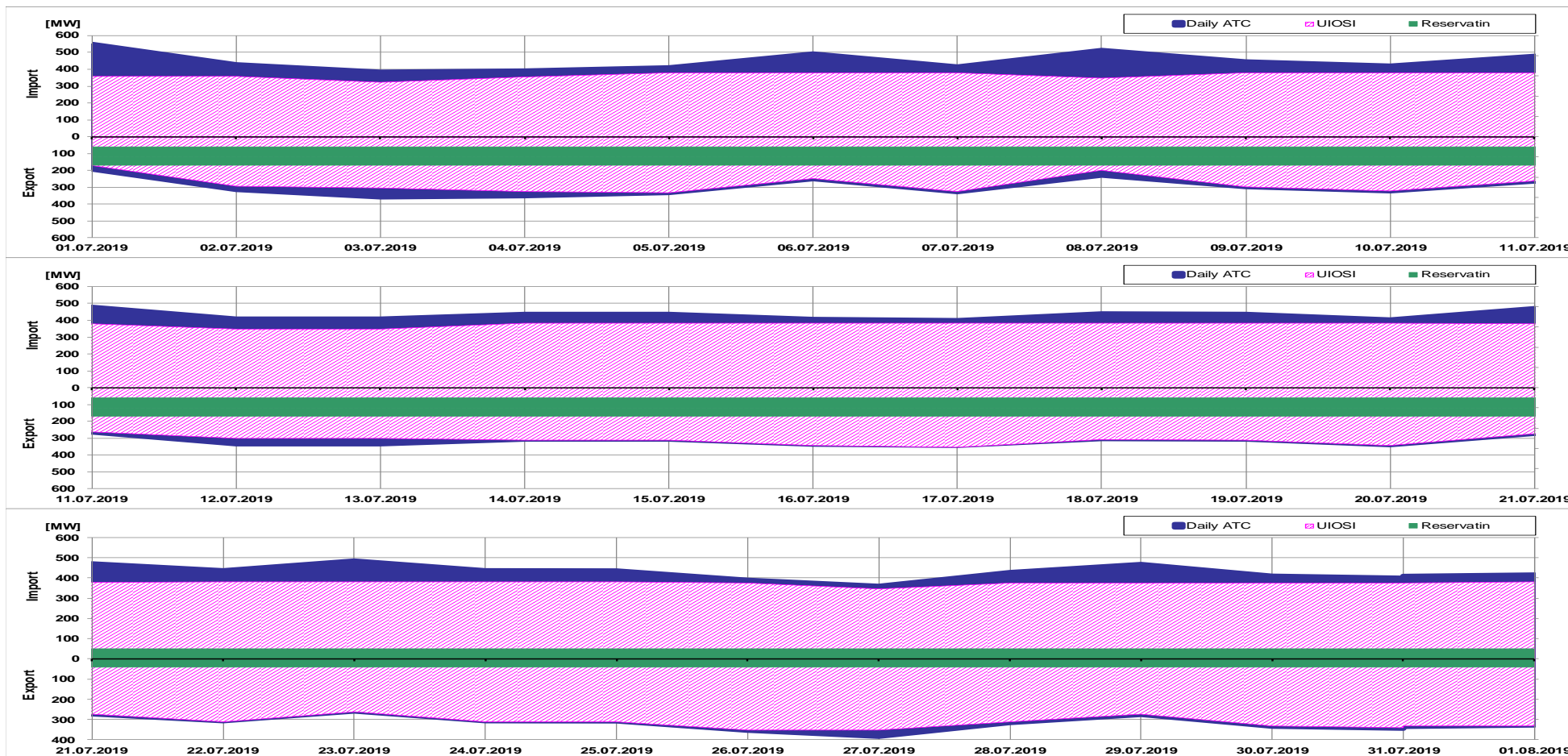
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00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

Hungary July 2019

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
41	50	259	309



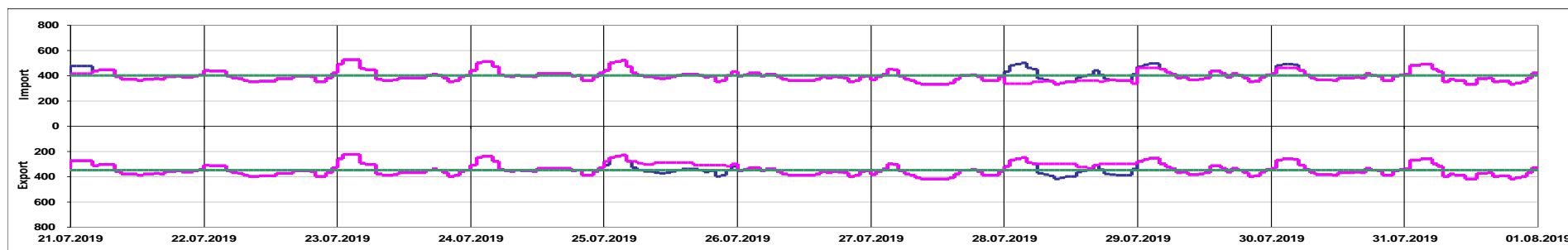
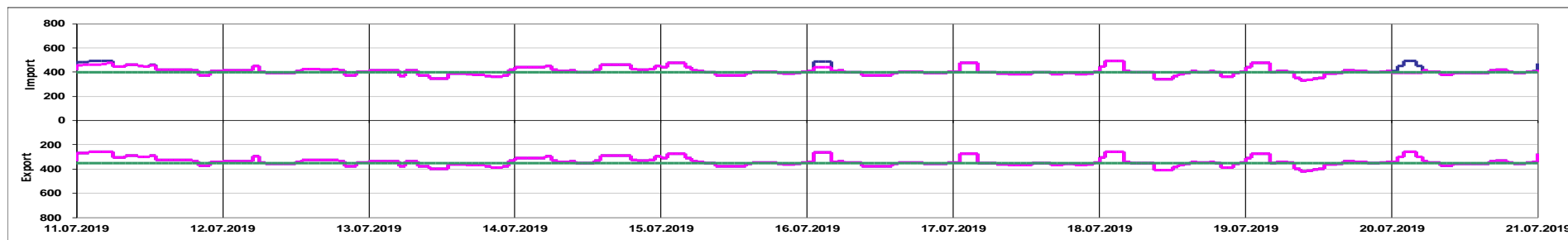
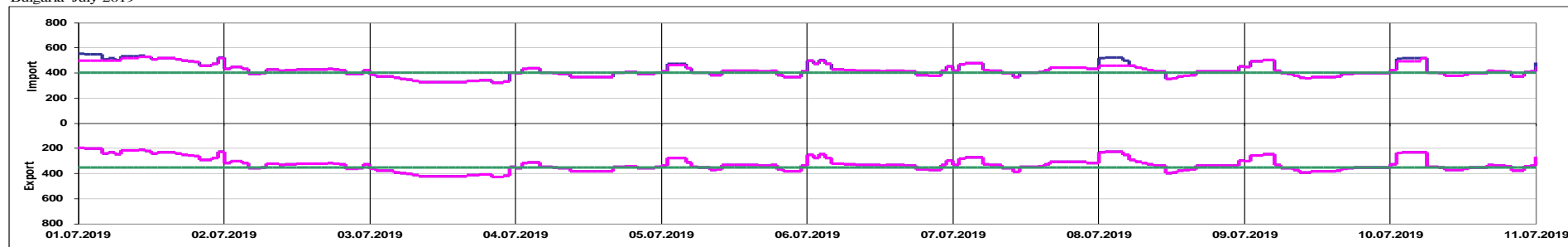
Bulgaria July 2019



Daily Auctions on Romanian – Bulgarian border

Societate Administrată în sistem Dualist

Bulgaria July 2019



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	0.40	0.40	0.35	0.20	0.11	0.11	0.11	0.40	0.20	0.20	0.20	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.11	0.11	0.10	0.10	0.11	0.18	0.60	
2	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.12	0.06	0.04	0.06	0.06	0.06	0.12
3	0.03	0.03	0.03	0.03	0.03	0.03	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	0.03	0.03	0.03	0.03	0.03	0.04	0.04
4	0.04	0.12	0.12	0.12	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.12
5	0.01	0.36	0.36	0.36	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.36
6	0.87	0.56	1.10	0.56	0.21	0.21	0.16	0.16	0.16	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.16	0.16	0.16	0.15	0.15	0.12	0.21	0.21	0.21	1.10
7	0.07	0.26	0.36	0.18	0.16	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.03	0.06	0.03	0.09	0.40	0.57	0.57	0.57	0.66	0.66	0.79	0.79	0.79
8	1.22	1.44	1.08	1.08	0.33	0.08	0.05	0.05	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.33	1.44	
9	0.03	0.16	0.16	0.21	0.21	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	0.21
10	0.07	0.35	0.98	0.98	0.98	0.98	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.35	1.08	1.08	
11	0.09	0.09	0.09	0.09	0.09	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.09	0.09
12	0.06	0.06	0.06	0.06	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.06	0.05	0.05	0.05	0.05	0.06	0.03	0.01	0.01	0.03	0.04	0.06	0.06
13	0.03	0.05	0.05	0.05	0.05	0.01	0.05	0.03	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	0.06
14	0.22	0.33	0.33	0.33	0.19	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.22	0.33	0.33	0.33	0.56	0.33	0.11	0.11	0.11	0.11	0.11	0.22	0.56
15	0.33	0.40	0.40	0.40	0.33	0.31	0.09	0.09	0.09	0.04	0.04	0.04	0.04	0.04	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.22	0.40
16	0.05	0.08	0.08	0.08	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.08
17	0.01	0.03	0.03	0.03	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	0.03
18	0.05	0.15	0.15	0.15	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	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	0.15
19	0.04	0.05	0.06	0.06	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06
20	0.01	0.06	0.08	0.08	0.06	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	0.08
21	0.03	0.09	0.09	0.09	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	0.09
22	0.05	0.05	0.05	0.05	0.05	0.03	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	0.05
23	0.55	0.88	0.88	0.88	0.18	0.14	0.07	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	0.02	0.88
24	0.31	0.56	0.56	0.56	0.30	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.10	0.10	0.10	0.13	0.13	0.09	0.09	0.08	0.02	0.09	0.13	0.56	0.56
25	0.00	0.04	0.05	0.05	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	0.00	0.00	0.05
26	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	0.01	0.01	0.02
27	0.01	0.01	0.01	0.06	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	0.06
28	0.02	0.09	0.10	0.11	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
29	0.30	0.30	0.30	0.30	0.30	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.27	0.27	0.27	0.07	0.11	0.07	0.07	0.05	0.07	0.07	0.07	0.07	0.30
30	0.04	0.08	0.08	0.08	0.08	0.05	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.01	0.01	0.02	0.02	0.08	0.08
31	0.06	0.56	0.56	0.56	0.98	0.39	0.06	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	0.02	0.05	0.98	0.98

Bulgaria July 2019

Daily Auctions on Romanian – Bulgarian border

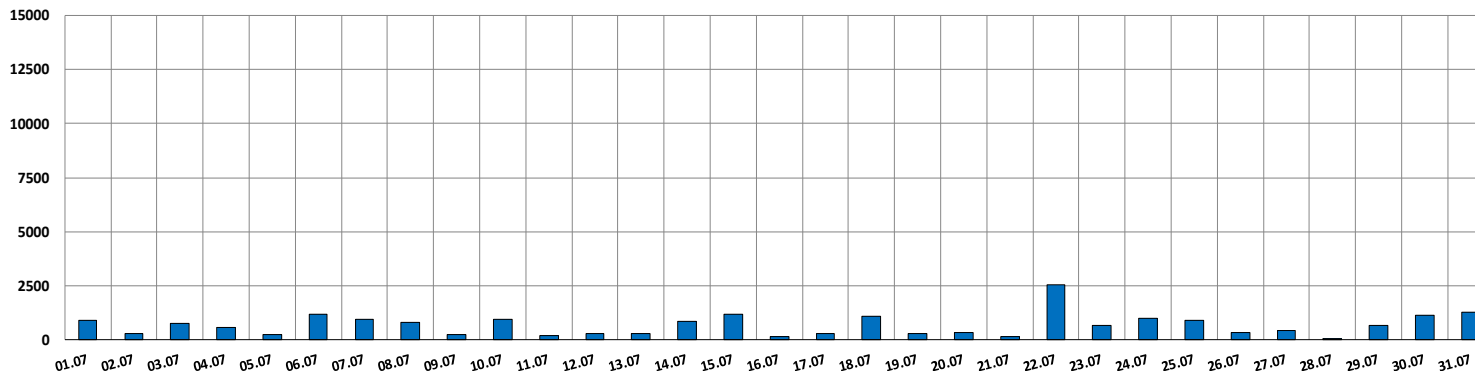
Auction Price [Euro/MWh] – Import

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	0.00	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	0.07	0.07	0.03	0.00	0.07
2	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
3	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.15	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.21	0.12	0.12	0.15	0.15	0.15	0.12	0.06	0.26
4	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.08	0.12	0.16	0.16	0.16	0.16	0.12	0.12	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.05	0.16
5	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.03	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	0.03
6	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.08	0.08	0.08	0.01	0.01	0.01	0.01	0.01	0.08	0.06	0.08	0.08	0.01	0.01	0.08
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06
8	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.05
9	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.01	0.05
10	0.01	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	0.02	0.02	0.01	0.01	0.02
11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.01	0.01	0.06
13	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.02	0.06
14	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.02	0.01	0.03
15	0.09	0.08	0.08	0.08	0.09	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.11	0.21	0.21	0.21	0.13	0.09	0.21
16	0.01	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	0.01
17	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08
18	0.15	0.15	0.15	0.15	0.15	0.18	0.21	0.21	0.21	0.21	0.21	0.28	0.26	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.15	0.28
19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.05
20	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.21	0.21	0.23	0.21	0.11	0.11	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.23
21	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.03	0.03	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05
22	0.03	0.03	0.03	0.03	0.04	0.06	0.09	0.76	0.88	0.88	0.98	0.98	0.88	0.76	0.76	0.76	0.76	0.98	0.76	0.76	1.12	1.12	0.09	0.03	1.12
23	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.11	0.11	0.11	0.09	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.09	0.07	0.03	0.02	0.11
24	0.03	0.01	0.01	0.01	0.03	0.05	0.05	0.21	0.21	0.12	0.12	0.18	0.09	0.06	0.06	0.06	0.06	0.09	0.11	0.11	0.18	0.12	0.09	0.03	0.21
25	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.28	0.28	0.28	0.34	0.28	0.28	0.34	0.28	0.28	0.28	0.34	0.28	0.54	0.28	0.06	0.01	0.54
26	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.15	0.15	0.15	0.22	0.15	0.12	0.06	0.06	0.09	0.06	0.06	0.06	0.09	0.06	0.03	0.01	0.22
27	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.08	0.21	0.28	0.28	0.28	0.28	0.28	0.21	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.28
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.04
29	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.01	0.05
30	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.23	0.23	0.23	0.23	0.43	0.43	0.43	0.43	0.35	0.43	0.23	0.35	0.43	0.43	0.43	0.07	0.01	0.43
31	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.23	0.23	0.33	0.33	0.45	0.43	0.32	0.32	0.32	0.32	0.23	0.23	0.23	0.23	0.12	0.05	0.01	0.45

Bulgaria July 2019

Daily Allocation on Romanian – Bulgarian border

Congestion Income RO

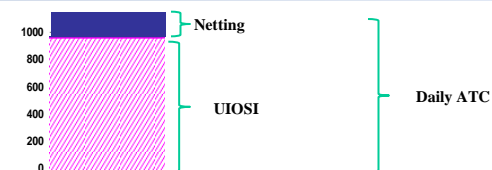


Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.07	1862	931
02.07	632	316
03.07	1512	756
04.07	1177	588
05.07	538	269
06.07	2351	1175
07.07	1925	962
08.07	1591	795
09.07	478	239
10.07	1901	950
11.07	450	225
12.07	589	294
13.07	631	316
14.07	1749	875
15.07	2360	1180
16.07	275	138
17.07	595	297
18.07	2161	1081
19.07	576	288
20.07	649	325
21.07	277	139
22.07	5142	2571
23.07	1331	665
24.07	2034	1017
25.07	1802	901
26.07	725	362
27.07	868	434
28.07	157	79
29.07	1339	669
30.07	2283	1141
31.07	2525	1262
Total	42485	21242

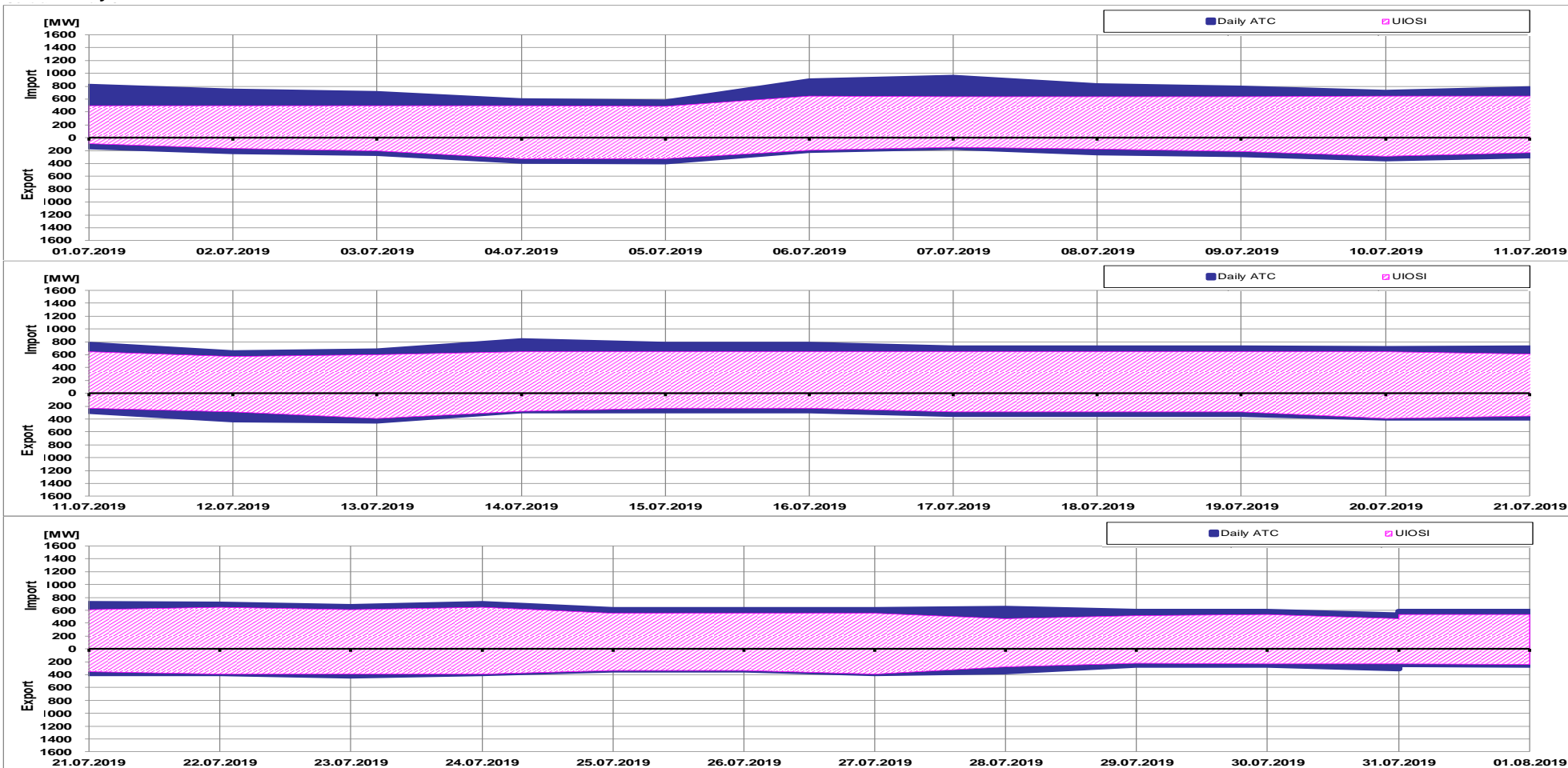
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
20318	22167	15255	17437
42485		32692	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
9793	4896

Unused Capacity [MW] average value	
RO-RS	RS-RO
288	589



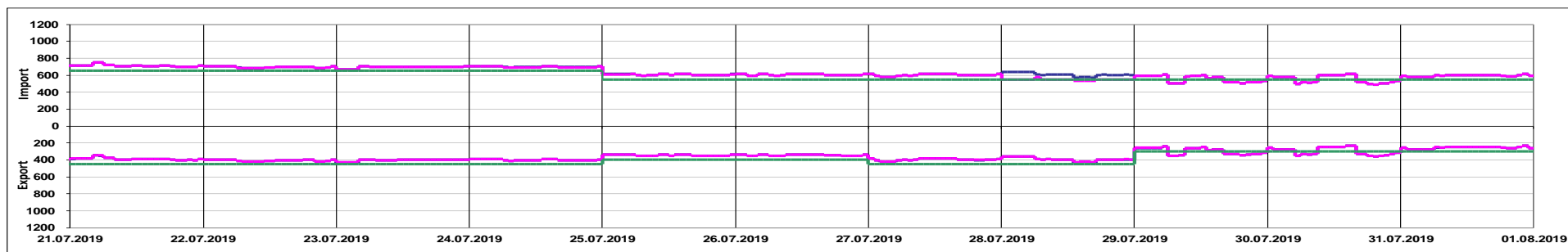
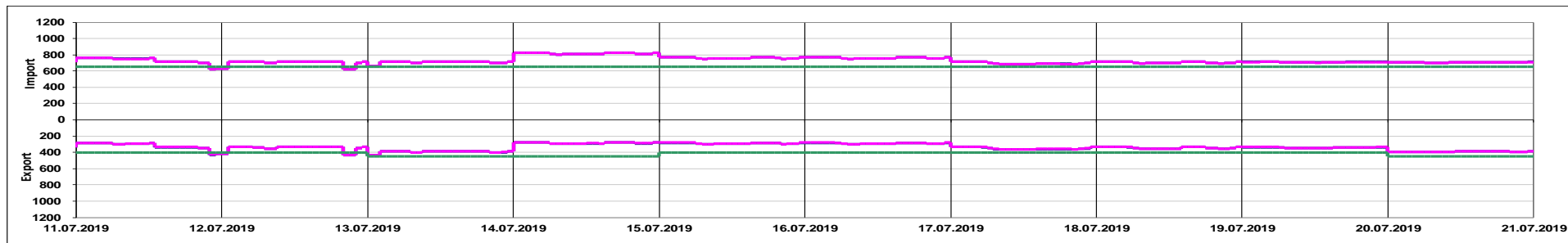
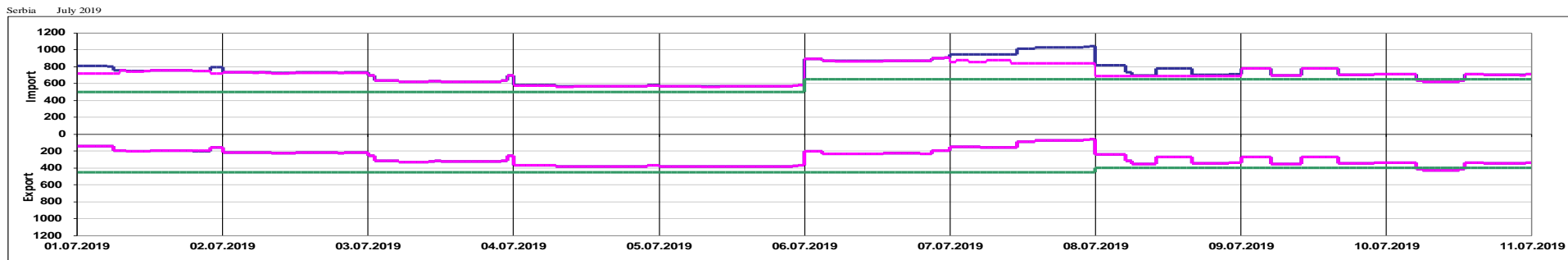
Serbia July 2019





Daily Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist



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

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

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



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities



romania2019.eu
Președinția României la Consiliul Uniunii Europene

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	0.37	0.37	0.37	0.35	0.35	0.35	0.33	0.33	0.33	0.33	0.33	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.33	0.33	0.33	0.33	0.33	0.37	0.47	
2	0.23	0.32	0.32	0.32	0.23	0.23	0.23	0.35	0.32	0.32	0.21	0.21	0.21	0.21	0.21	0.21	0.46	0.32	0.32	0.60	0.56	0.35	0.35	0.44	0.60	
3	0.56	0.33	0.33	0.33	0.33	0.33	0.33	0.46	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.46	0.92	0.76	0.54	0.56	1.38	1.38	1.38	
4	0.41	0.34	0.24	0.24	0.24	0.24	0.24	0.22	0.22	0.22	0.22	0.22	0.22	0.24	0.24	0.24	0.11	0.11	0.11	0.13	0.13	0.22	0.31	0.63	0.63	
5	0.33	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.17	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.17	0.17	0.15	0.15	0.15	0.36	0.36	
6	0.49	0.49	0.49	0.26	0.26	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.26	0.26	0.36	0.36	0.56	0.56	
7	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.50	0.50	0.50	0.50	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.64	1.64	1.64	
8	0.33	0.33	0.33	0.33	0.33	0.11	0.07	0.07	0.07	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.33	
9	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.11	0.11	0.11	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.11	0.11
10	0.11	0.11	0.11	0.11	0.11	0.05	0.03	0.03	0.03	0.05	0.06	0.06	0.08	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.11	1.85	2.50	2.50	
11	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.11	0.11
12	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.11	0.11	0.11
13	0.11	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.16	0.16	0.22	0.22	0.22	0.22	0.16	0.16	0.22	0.22	0.22	0.22
14	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.59	0.80	0.80	0.80	0.80	0.32	0.30	0.11	0.11	0.11	0.11	0.11	0.11	0.17	0.80	0.80
15	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.11	0.11
16	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.09	0.11	0.11
17	0.05	0.05	0.05	0.05	0.05	0.05	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	0.05	0.05	0.05
18	0.05	0.05	0.05	0.05	0.05	0.05	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	0.05	0.05	0.05
19	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
20	0.05	0.05	0.05	0.05	0.05	0.05	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	0.05	0.05	0.05
21	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.05	0.05
22	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.09	0.09	0.09
23	0.05	0.05	0.05	0.05	0.06	0.06	0.04	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	0.34	0.34	0.34	0.34
24	0.15	0.15	0.11	0.11	0.11	0.11	0.07	0.05	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	0.15	0.16	0.16	0.16
25	0.09	0.09	0.09	0.09	0.09	0.09	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.09	0.09
26	0.06	0.06	0.06	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.06	0.06	0.06
27	0.09	0.09	0.07	0.07	0.07	0.09	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.07	0.07	0.09	0.09
28	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.00	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.03
29	0.11	0.11	0.11	0.11	0.11	0.11	0.04	0.04	0.04	0.07	0.07	0.07	0.08	0.05	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.09	0.11
30	0.12	0.12	0.12	0.12	0.12	0.09	0.04	0.04	0.04	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.11	0.12
31	0.12	0.12	0.12	0.12	0.12	0.12	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.12	0.12	0.12

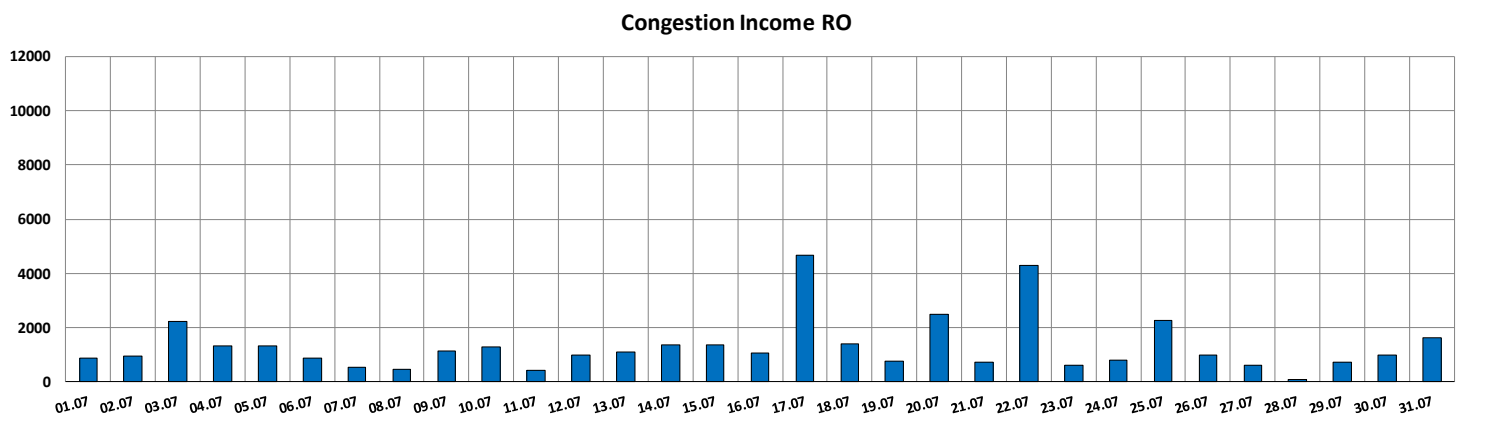
Serbia July 2019

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	0.01	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	0.00	0.00	0.01	
2	0.01	0.01	0.01	0.01	0.01	0.02	0.01	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
3	0.01	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	0.01	0.02
4	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
5	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	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	0.05	0.08
6	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
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.12	0.08	0.08	0.08	0.08	0.04	0.04	0.08	0.08	0.10	0.10	0.09	0.09	0.09	0.05	0.05	0.15
10	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.06
11	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05
12	0.08	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10	0.06	0.06	0.10
13	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	0.05	0.05	0.05	0.05	0.05
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	0.01	0.01	0.10	0.10	0.01	0.01	0.10
15	0.05	0.09	0.09	0.09	0.05	0.05	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.12	0.12	0.12	0.12	0.12	0.14	0.15	0.14	0.10	0.05	0.15
16	0.07	0.07	0.07	0.07	0.07	0.07	0.12	0.12	0.12	0.12	0.12	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.08	0.07	0.12
17	0.08	0.08	0.08	0.08	0.08	0.21	0.22	0.80	0.80	0.80	0.80	0.88	0.88	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.68	0.21	0.08	0.88
18	0.03	0.02	0.02	0.02	0.02	0.04	0.05	0.12	0.13	0.13	0.13	0.13	0.23	0.23	0.21	0.21	0.23	0.23	0.23	0.23	0.26	0.26	0.23	0.12	0.26	0.26
19	0.03	0.03	0.03	0.06	0.06	0.17	0.17	0.17	0.17	0.09	0.07	0.08	0.08	0.06	0.06	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.01	0.17
20	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.70	0.70	0.70	0.70	0.70	0.49	0.26	0.70	
21	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.09	0.10	0.10	0.10	0.07	0.06	0.10	
22	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.76	0.76	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.76	0.66	0.32	0.12	0.76
23	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.02	0.01	0.06
24	0.03	0.03	0.03	0.03	0.03	0.03	0.03	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	0.03	0.03	0.06	0.06
25	0.02	0.02	0.02	0.02	0.02	0.09	0.09	0.35	0.78	0.78	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.12	0.23	0.78	0.78	0.66	0.35	0.09	0.78	
26	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.32	0.15	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.08	0.08	0.32	0.32
27	0.02	0.02	0.02	0.02	0.02	0.02	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	0.08	0.08	0.08	0.05	0.03	0.08	0.08
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.12	0.12	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.12	0.09	0.07	0.07	0.12	0.12
30	0.03	0.03	0.03	0.03	0.03	0.08	0.12	0.12	0.12	0.12	0.12	0.10	0.10	0.07	0.07	0.09	0.12	0.12	0.24	0.26	0.26	0.26	0.26	0.12	0.08	0.26
31	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.55	0.26	0.26	0.24	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.26	0.35	0.35	0.35	0.12	0.12	0.12	0.55

Serbia July 2019



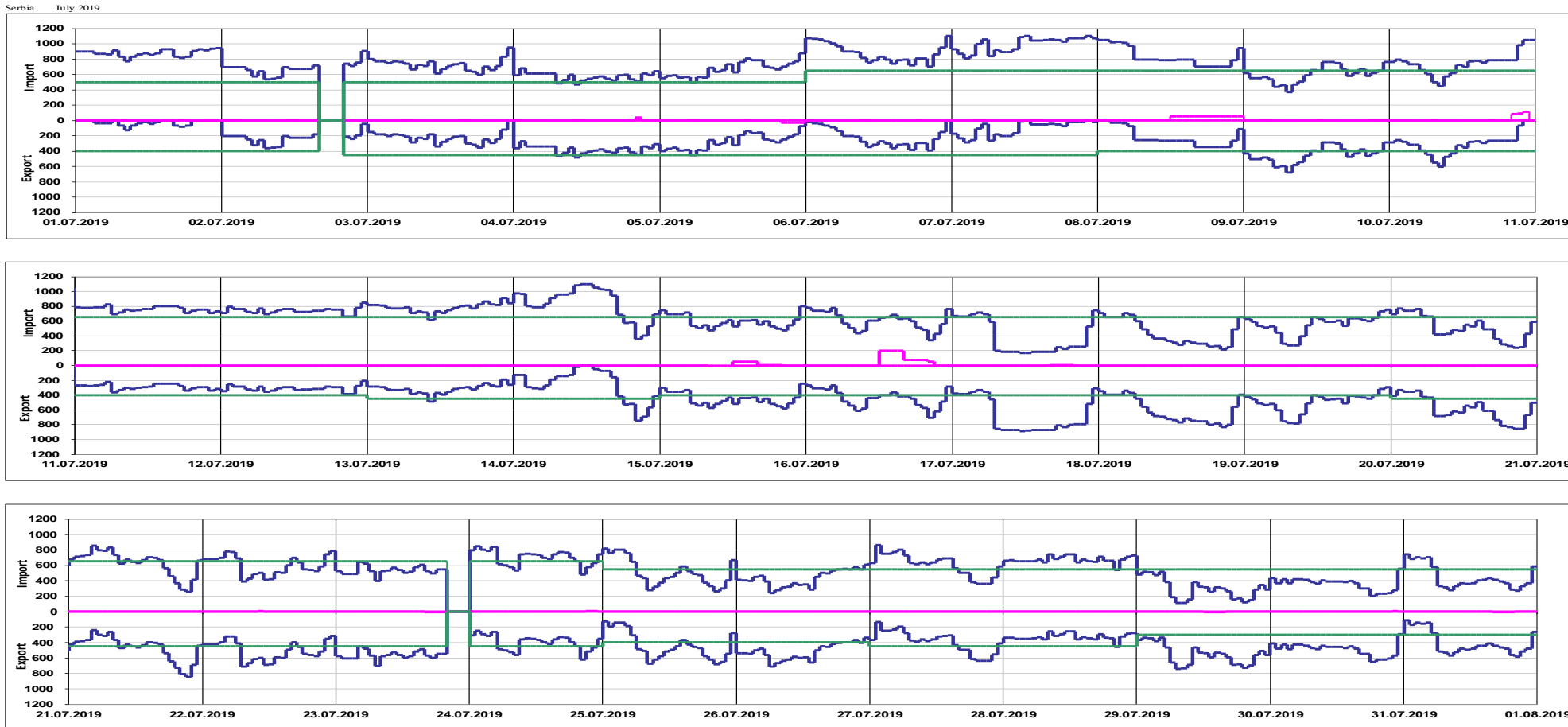
Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.07	1789	895
02.07	1870	935
03.07	4450	2225
04.07	2626	1313
05.07	2658	1329
06.07	1792	896
07.07	1087	544
08.07	913	457
09.07	2308	1154
10.07	2609	1304
11.07	869	434
12.07	1945	973
13.07	2220	1110
14.07	2747	1374
15.07	2743	1371
16.07	2113	1057
17.07	9365	4683
18.07	2770	1385
19.07	1499	750
20.07	4997	2499
21.07	1481	740
22.07	8603	4302
23.07	1261	630
24.07	1617	808
25.07	4516	2258
26.07	1989	994
27.07	1212	606
28.07	156	78
29.07	1480	740
30.07	1950	975
31.07	3265	1633
Total	80902	40451

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
30571	50331	26637	45262
80902		71899	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
9003	4502

Intraday Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist



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 02.07.2019, session 5 (16:00 – 20:00 CET) and 23.07.2019 session 6 (21:00 – 24:00 CET).

Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	-	-	-	-	-	0.00
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
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
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
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
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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 2019

Note: Due to technical issues on Serbian IT platform, intraday auctions were canceled for 02.07.2019, session 5 (16:00 – 20:00 CET) and 23.07.2019 session 6 (21:00 – 24:00 CET).



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities



romania2019.eu
Președinția României la Consiliul Uniunii Europene

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

Serbia July 2019

Note: Due to technical issues on Serbian IT platform, intraday auctions were canceled for 02.07.2019, session 5 (16:00 – 20:00 CET) and 23.07.2019 session 6 (21:00 – 24:00 CET).

Public

Statistics on Monthly Auction

July 2019		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	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151
Hungary import	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	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	9
	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	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
	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	9
	Number of Bids	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Bulgaria import	Number of Capacity Traders	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Number of Capacity Holders	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	15
	Number of Bids	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
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	7	7	8	8	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	6	6
	Number of Bids	69	69	69	69	69	70	70	69	69	69	69	69	70	70	67	67	67	67	67	67	70	70	70	70	70	70	70	71	71	68	68
Serbia import	Number of Capacity Traders	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	9
	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	33	33	33	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
Ukraine export	Number of Capacity Traders	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	4	4	4	
	Number of Capacity Holders	3	3	3	3	3	4	4	3	3	3	3	3	4	4	3	3	3	3	3	3	4	4	3	3	3	3	3	4	4	4	
	Number of Bids	10	10	10	10	10	11	11	10	10	10	10	10	11	11	10	10	10	10	10	10	11	11	10	10	10	10	10	11	11	-	-
Ukraine 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	
	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	4	4	4	
	Number of Bids	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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 2019	Maximum	Minimum
Number of Capacity Traders	28	4
Number of Capacity Holders	15	3
Number of Bids	151	10

Statistics on Daily Auctions

July 2019		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	7	8	8	7	6	7	8	8	8	8	8	6	6	7	7	7	7	7	7	7	7	6	6	6	7	6	7	7	8
	Maximum Number of Capacity Holders	5	6	6	6	7	5	5	6	8	6	8	8	8	4	6	7	7	7	7	7	7	7	7	6	6	6	7	6	7	6	7
	Maximum Number of Bids	22	24	26	28	25	26	16	20	27	27	27	27	26	20	20	22	22	22	23	24	22	23	22	28	22	24	23	16	22	25	28
Serbia Import	Maximum Number of Capacity Traders	6	9	8	9	10	8	7	6	8	7	8	9	9	8	7	8	10	9	8	8	7	7	8	7	7	7	7	6	7	8	9
	Maximum Number of Capacity Holders	6	9	8	9	10	8	7	6	8	7	8	9	9	8	6	8	9	8	8	8	7	6	8	7	7	7	7	6	7	8	9
	Maximum Number of Bids	20	31	25	28	27	29	23	20	33	23	27	30	28	24	28	31	41	33	30	37	29	29	25	26	28	26	24	17	22	28	36
Bulgaria Export	Maximum Number of Capacity Traders	9	9	8	9	10	10	10	9	9	11	10	10	9	10	9	10	10	11	11	10	8	9	9	12	9	9	8	8	8	11	10
	Maximum Number of Capacity Holders	7	8	8	8	9	9	9	8	8	9	9	10	9	8	7	9	10	10	9	10	7	8	7	10	9	9	8	8	6	10	9
	Maximum Number of Bids	19	23	21	23	22	30	23	20	21	24	23	23	23	24	21	25	22	26	23	22	19	19	21	23	17	19	18	14	18	22	20
Bulgaria Import	Maximum Number of Capacity Traders	7	10	11	10	9	9	10	9	11	9	9	10	10	10	9	9	12	12	12	10	9	11	10	11	11	10	11	8	8	11	11
	Maximum Number of Capacity Holders	7	10	10	10	9	9	9	9	11	9	9	10	8	10	8	9	12	11	12	10	9	10	9	10	11	10	11	8	8	10	11
	Maximum Number of Bids	21	22	26	25	22	22	21	20	26	20	21	23	23	23	26	23	31	29	25	21	21	27	21	28	28	25	23	19	19	24	26

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

Statistics on Intraday Auctions

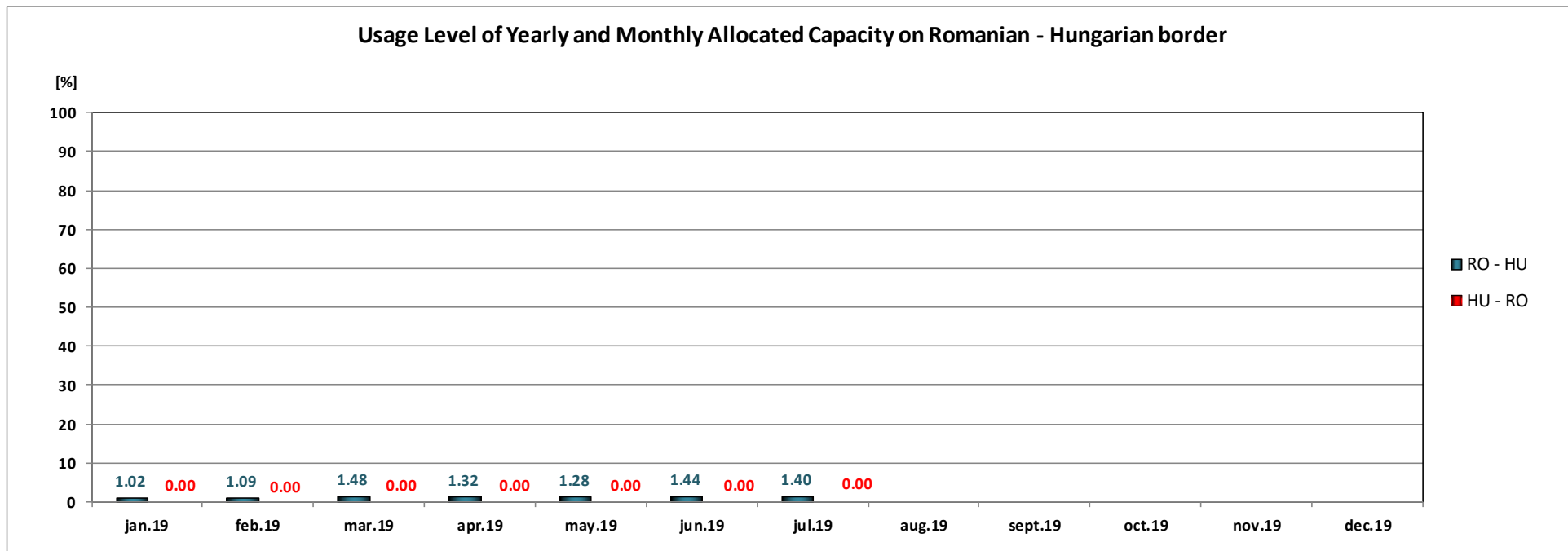
July 2019	Intraday Auctions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Hungary Export	Maximum Number of Capacity Traders	1	1	1	2	1	0	0	2	1	1	1	1	0	0	1	2	1	1	1	0	0	1	1	1	1	2	0	0	1	2	2
	Maximum Number of Capacity Holders	1	1	1	2	1	-	-	2	1	1	1	1	-	-	1	2	1	1	1	-	-	1	1	1	1	2	-	-	1	2	2
Hungary Import	Maximum Number of Capacity Traders	1	1	1	2	1	0	0	2	3	3	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	2	0	0	1	2	1
	Maximum Number of Capacity Holders	1	1	1	2	1	-	-	2	3	3	1	1	-	-	-	-	1	1	1	-	-	1	1	1	1	2	-	-	1	2	1
Serbia Export	Maximum Number of Capacity Traders	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1
	Maximum Number of Capacity Holders	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-
Serbia Import	Maximum Number of Capacity Traders	0	0	0	2	0	0	0	1	0	2	0	0	0	0	1	2	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0
	Maximum Number of Capacity Holders	-	-	-	2	-	-	-	1	-	2	-	-	-	-	1	2	1	-	-	-	-	1	-	1	-	-	-	-	-	-	1

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

Due to technical issues on Serbian IT platform, intraday auctions were canceled for 02.07.2019, session 5 (16:00 – 20:00 CET) and 23.07.2019 session 6 (21:00 – 24:00 CET).

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity



CET

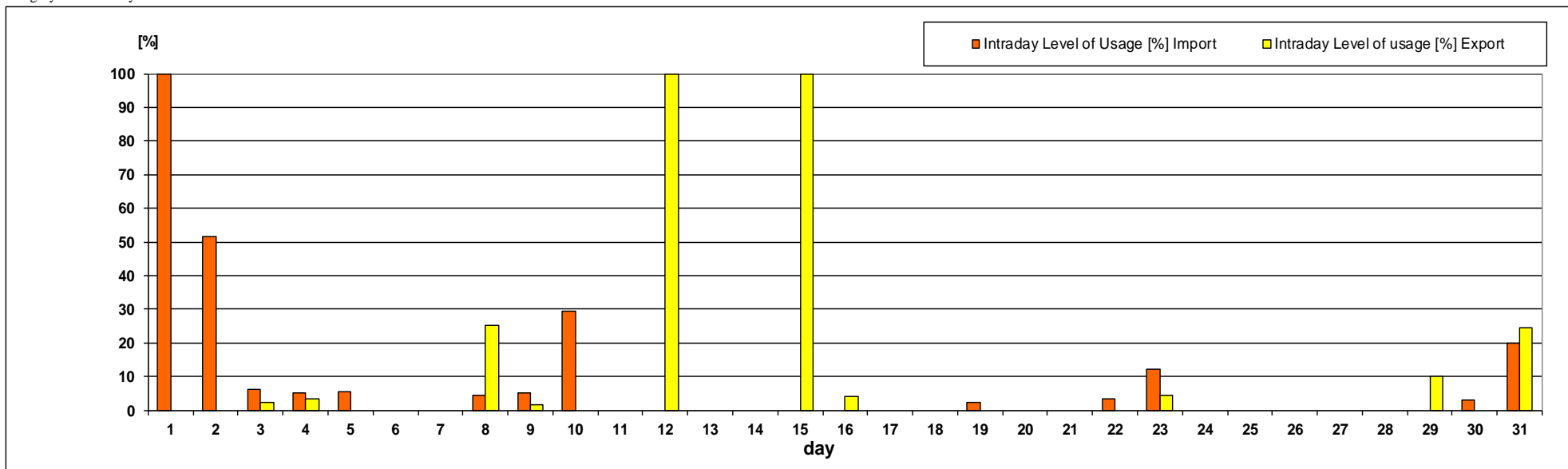
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions after returns. From the beginning of the year, the average values (arithmetic) of usage level are: 1.29 % on export direction and 0 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary

July 2019



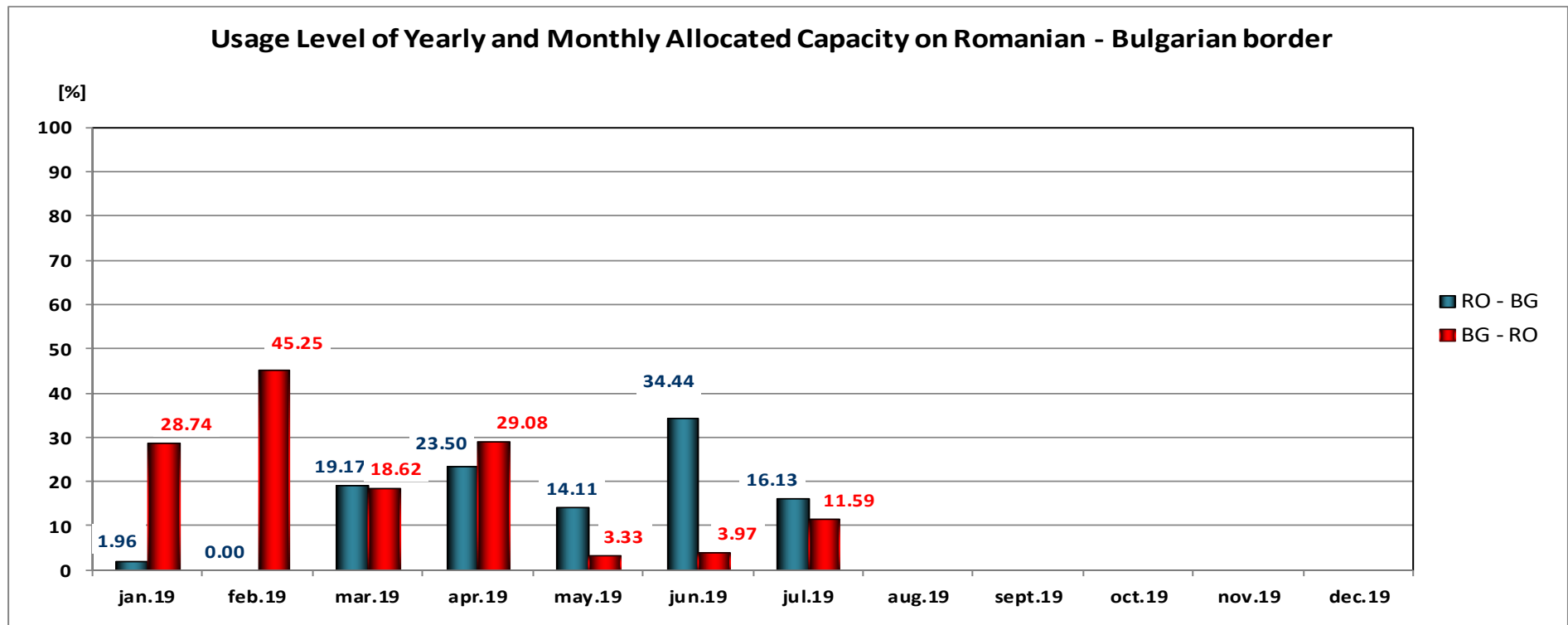
Intraday Level of Usage [%]

July 2019	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	51.43	6.22	5.10	5.35	-	-	4.24	5.08	29.51	0.00	0.00	-	-	-	-	0.00	0.00	2.44	-	-	3.23	12.11	0.00	0.00	0.00	-	-	0.00	2.92	20.00
Export	0.00	0.00	2.26	3.28	0.00	-	-	25.23	1.50	0.00	0.00	100.00	-	-	100.00	4.17	0.00	0.00	0.00	-	-	0.00	4.29	0.00	0.00	0.00	-	-	10.00	0.00	24.39

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 12.17 [%]
- Export 7.77 [%]

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 after returns.

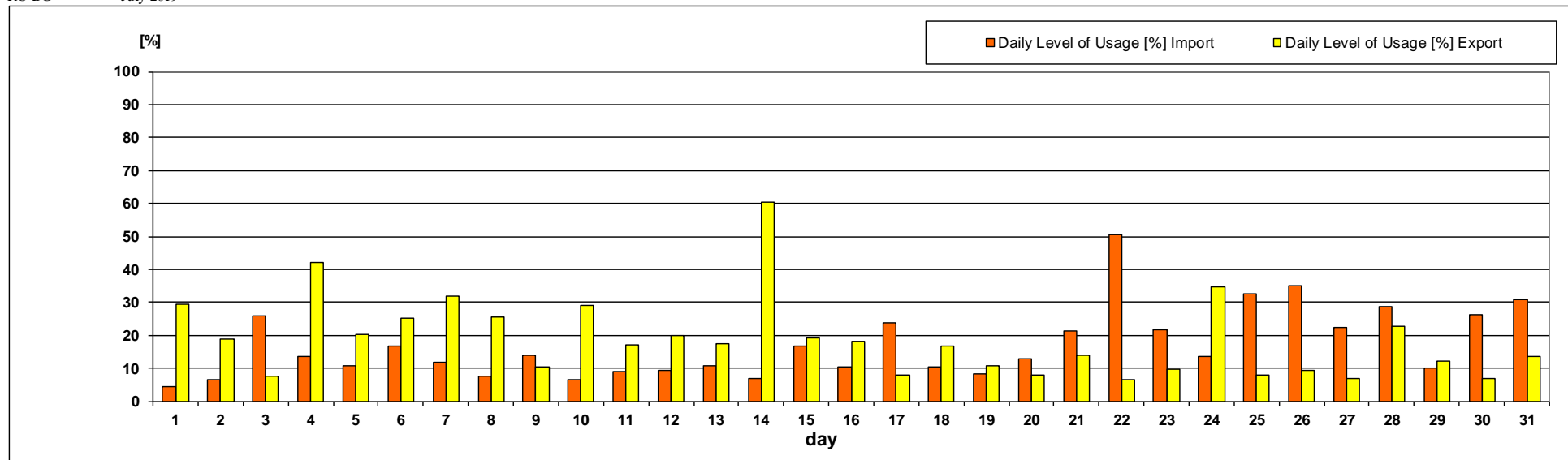
From the beginning of the year, the average values (arithmetic) of usage level are: 15.61 % on export direction and 20.09 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

RO-BG

July 2019



Daily Level of Usage [%]

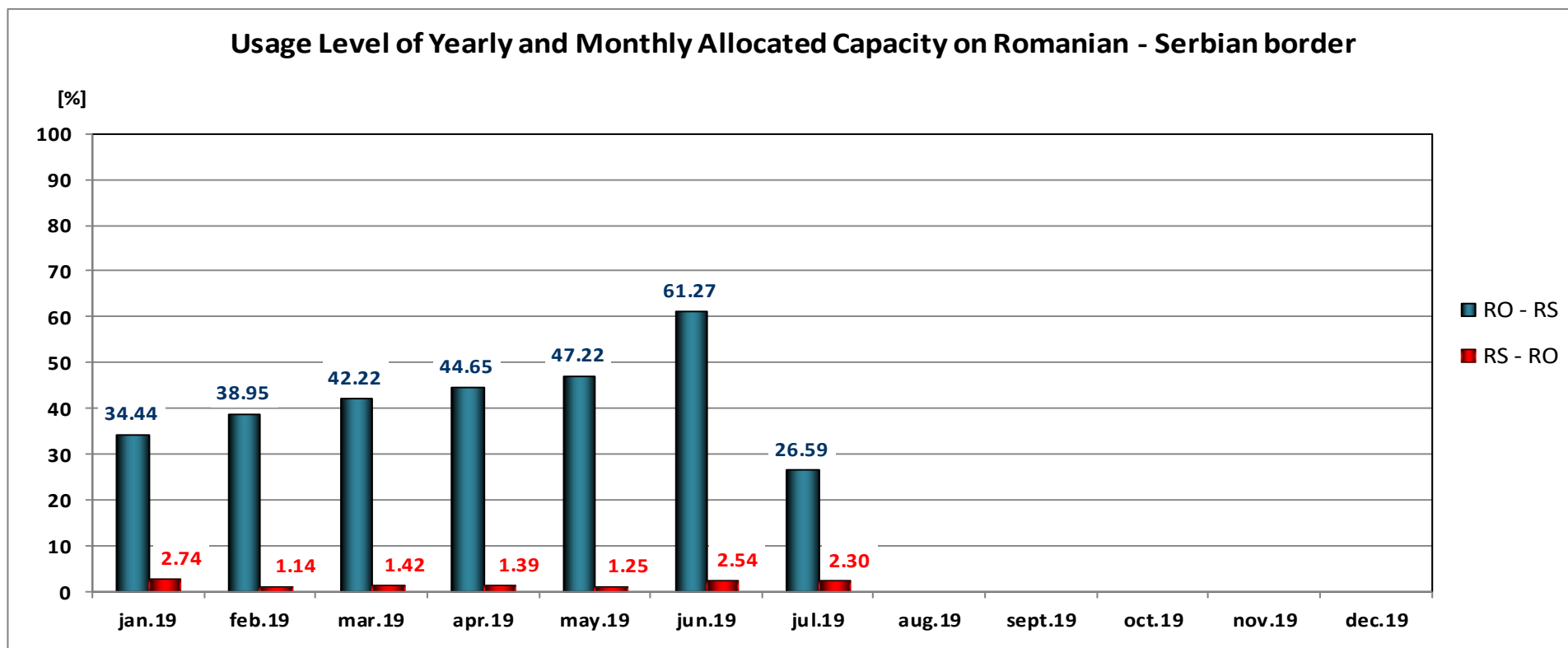
July 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	4.32	6.37	25.72	13.65	10.74	16.73	11.88	7.59	14.04	6.68	8.84	9.24	10.65	6.80	16.90	10.48	23.62	10.38	8.28	12.80	21.44	50.43	21.80	13.66	32.68	34.91	22.38	28.66	10.16	26.37	30.80
Export	29.33	18.72	7.67	42.08	20.18	25.23	31.85	25.37	10.36	28.88	17.17	19.72	17.38	60.44	19.20	18.14	8.01	16.69	10.70	8.09	13.75	6.39	9.67	34.71	7.93	9.20	7.01	22.64	12.07	6.80	13.46

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 16.68 [%]

- Export 18.27 [%]

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 after returns.

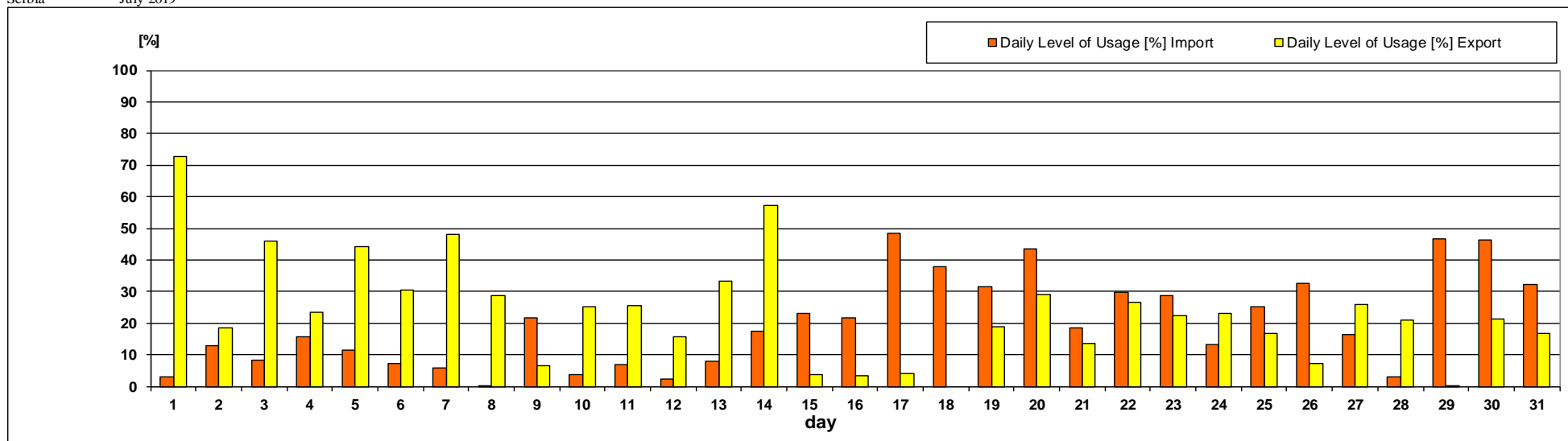
From the beginning of the year, the average values (arithmetic) of usage level are: 42.19 % on export direction and 1.83 % on import direction.

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity

Serbia

July 2019



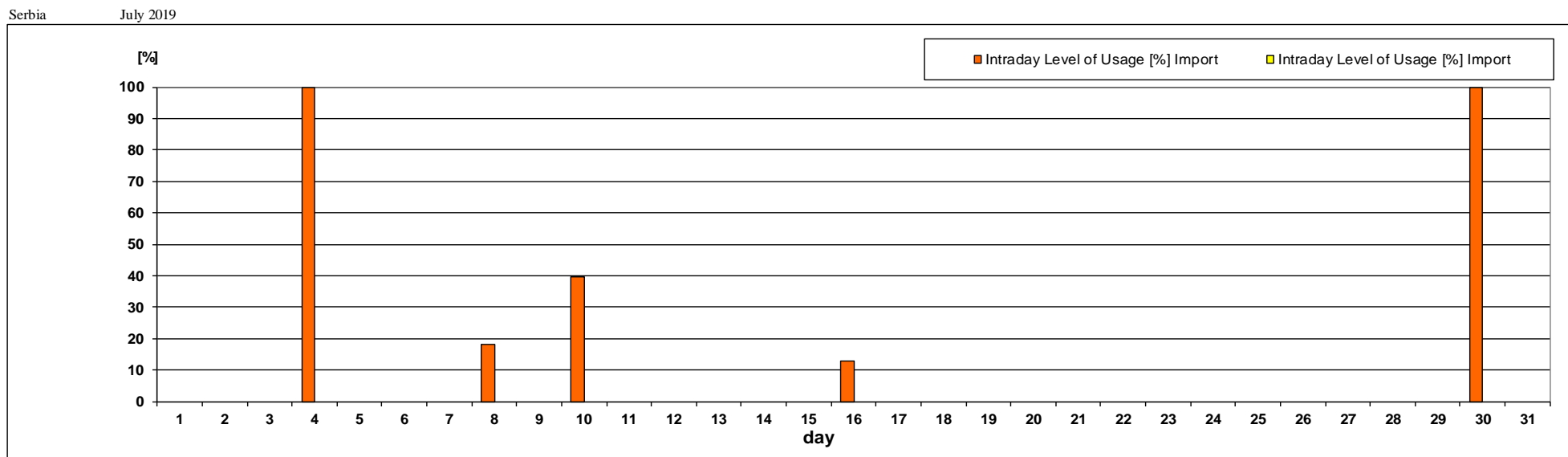
Daily Level of Usage [%]

July 2019	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	3.07	12.89	8.27	15.55	11.44	7.32	5.81	0.08	21.51	3.77	6.83	2.31	7.95	17.29	23.05	21.52	48.30	37.73	31.46	43.47	18.55	29.73	28.59	13.07	25.20	32.73	16.28	2.83	46.63	46.31	32.23
Export	72.54	18.46	46.12	23.47	44.05	30.58	48.08	28.70	6.57	25.35	25.46	15.74	33.17	57.18	3.62	3.23	4.03	0.00	18.74	29.09	13.51	26.46	22.35	23.01	16.76	7.34	25.90	20.84	0.01	21.28	16.71

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

- Import 19.58 [%]
- Export 22.40 [%]

Usage Level of Intraday Allocated Capacity

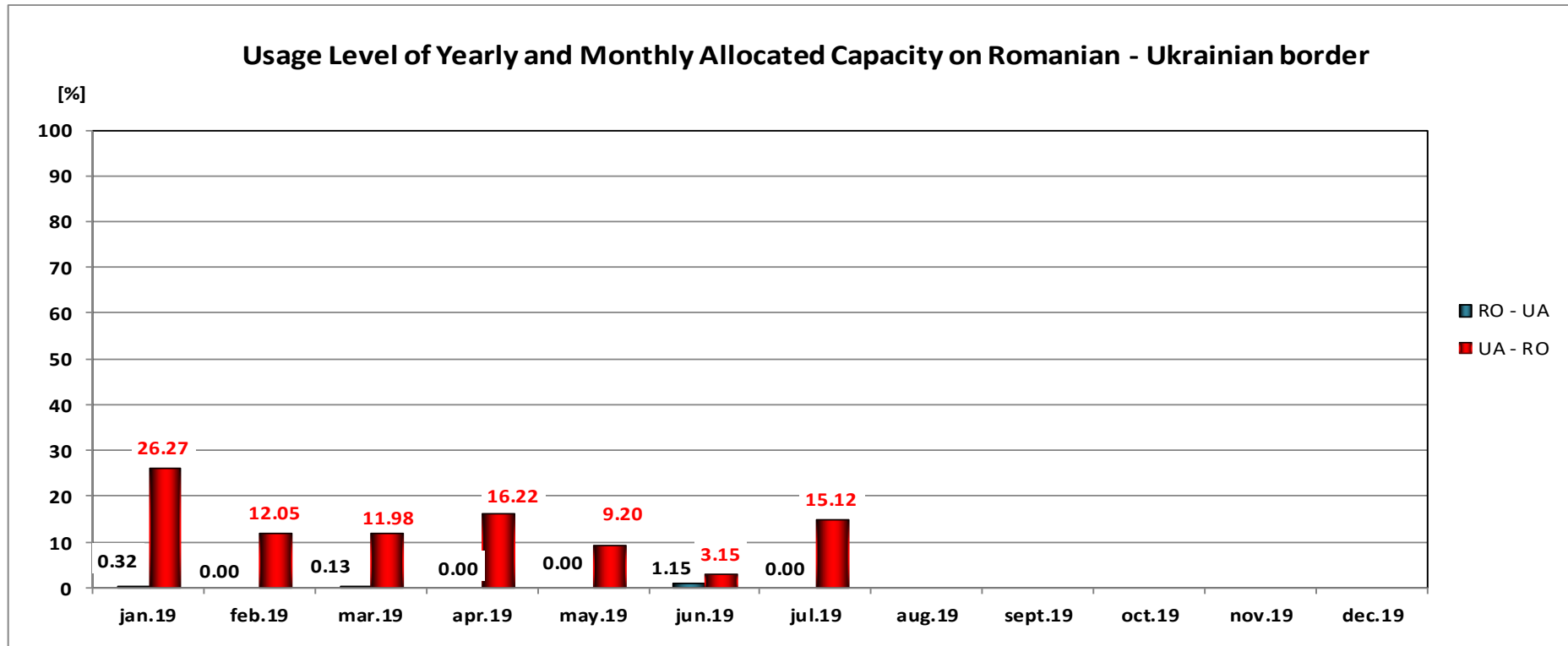


July 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	-	-	-	100.00	-	-	-	18.18	-	39.51	-	-	-	-	0.00	12.79	0.00	-	-	-	-	0.00	-	0.00	-	-	-	-	-	100.00	-
Export	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-	0.00	-	0.00	-	-	-	-	-	0.00	-	-	-	-	-	0.00	-	0.00

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 17.77 [%]
- Export 0 [%]

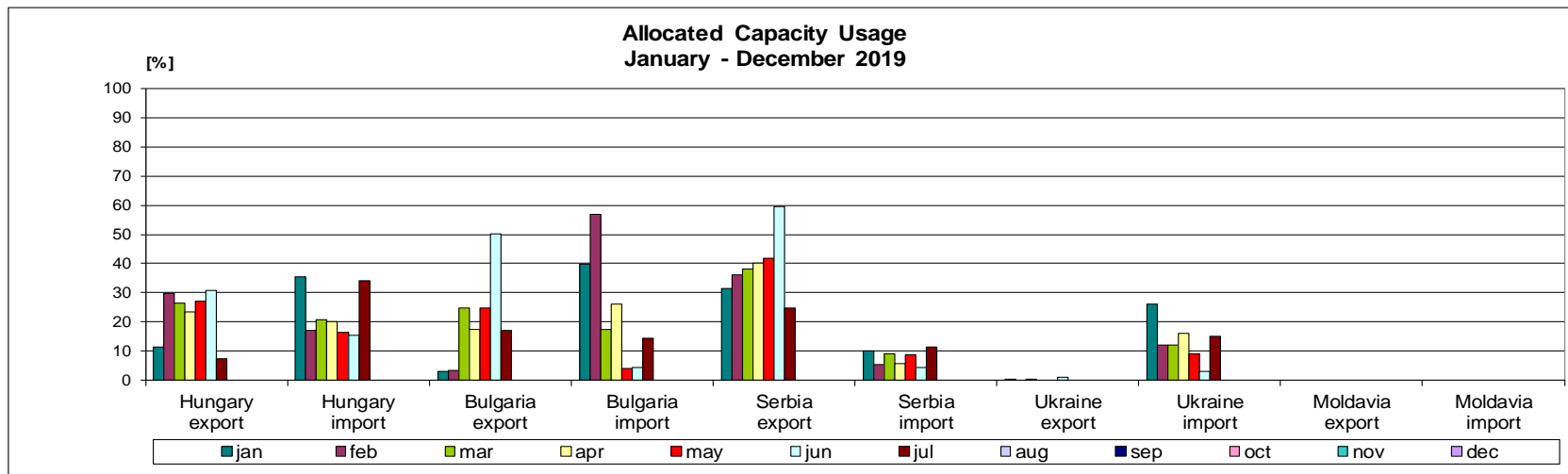
Usage Level of Allocated Capacity



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: 0.23 % on export direction and 13.43 % on import direction.



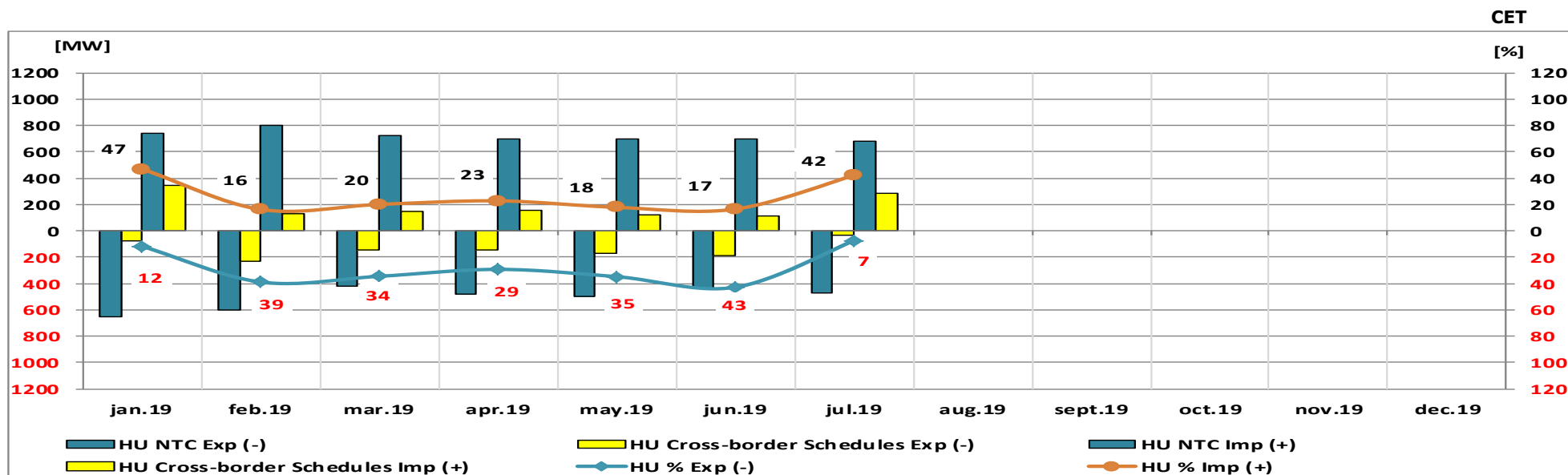
The level of usage of total capacity rights on one border and direction represent the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the total capacity rights.

[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	11.45	35.42	3.24	39.66	31.42	10.17	0.32	26.27	-	-
feb	29.85	17.03	3.57	56.84	36.18	5.51	0.00	12.05	-	-
mar	26.58	20.84	24.84	17.56	38.13	9.26	0.13	11.98	-	-
apr	23.63	20.08	17.40	25.97	40.28	5.82	0.00	16.22	-	-
may	27.03	16.41	24.88	3.96	41.97	8.71	4.47	9.20	-	-
jun	30.80	15.36	50.17	4.33	59.52	4.47	1.15	3.15	-	-
jul	7.33	34.16	17.25	14.32	24.68	11.50	0.00	15.12	-	-
aug										
sep										
oct										
nov										
dec										
average	22.38	22.76	20.19	23.23	38.88	7.92	0.23	13.43	-	-

Type B

In July 2019, it was noticed a low level of capacity usage. Compared with previous month the values significantly decreased on export direction and the highest level of usage was on Serbian border. On import direction, the values increased compared with previous month and the highest level of usage was on Hungarian border.

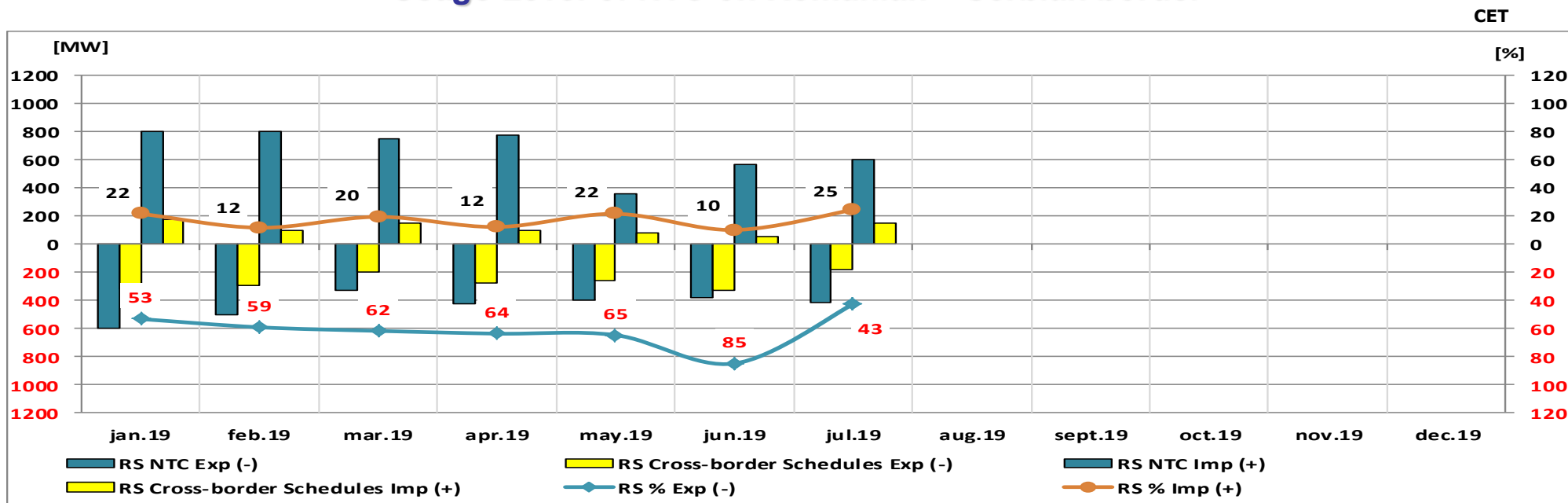
Usage Level of NTC on Romanian – Hungarian border



Hungary (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
HU NTC Exp (-)	-650	-600	-423	-482	-500	-437	-468					
HU Cross-border Schedules Exp (-)	-76	-233	-146	-141	-174	-187	-34					
HU NTC Imp (+)	745	800	725	700	700	700	684					
HU Cross-border Schedules Imp (+)	350	130	146	160	125	116	289					

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: 28.44% on export direction and 26.13% on import direction.

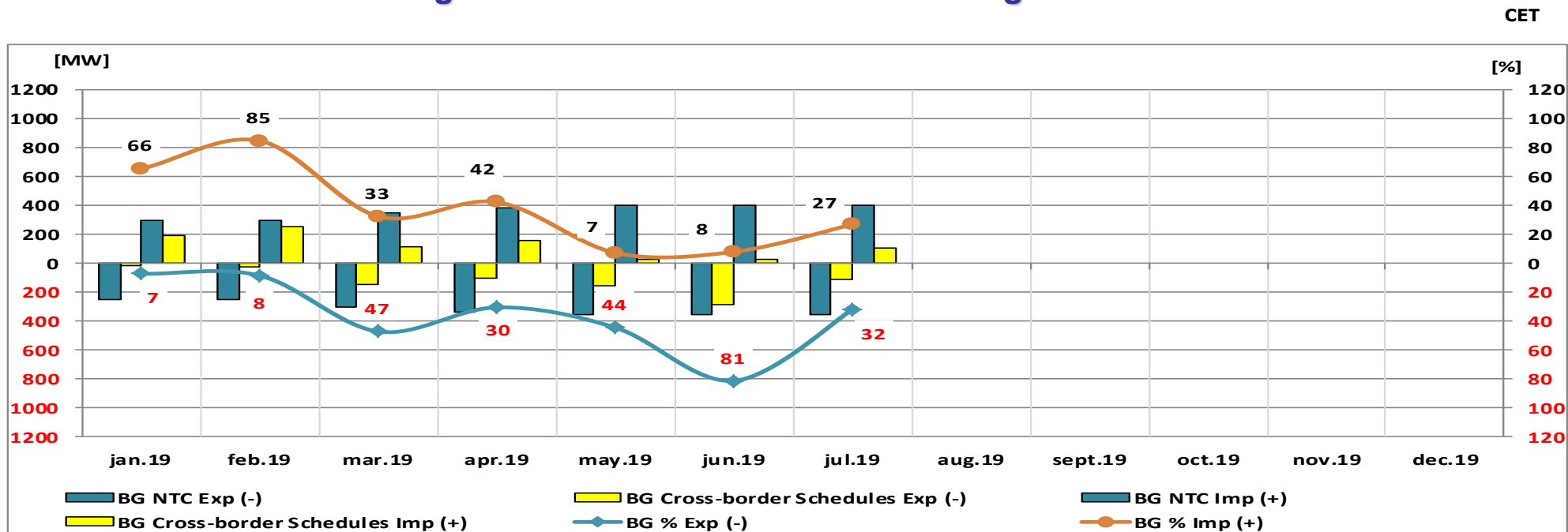
Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
RS NTC Exp (-)	-600	-500	-325	-427	-400	-383	-416					
RS Cross-border Schedules Exp (-)	-319	-295	-200	-271	-258	-325	-177					
RS NTC Imp (+)	800	800	753	773	360	567	603					
RS Cross-border Schedules Imp (+)	174	94	147	95	78	58	148					

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: 61.34% on export direction and 17.39% on import direction.

Usage Level of NTC on Romanian – Bulgarian border

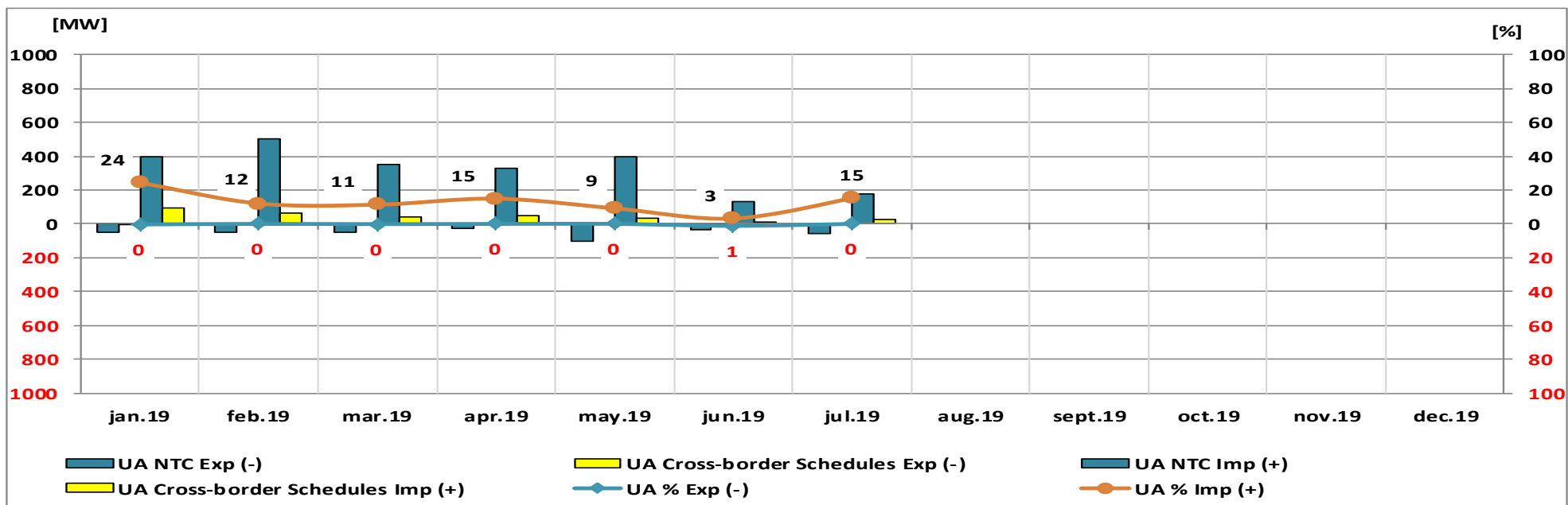


Bulgaria (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
BG NTC Exp (-)	-250	-250	-300	-333	-350	-350	-350					
BG Cross-border Schedules Exp (-)	-18	-21	-142	-101	-155	-284	-112					
BG NTC Imp (+)	300	300	350	383	400	400	400					
BG Cross-border Schedules Imp (+)	197	255	114	163	29	32	108					

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 35.8% on export direction and 38.25% on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



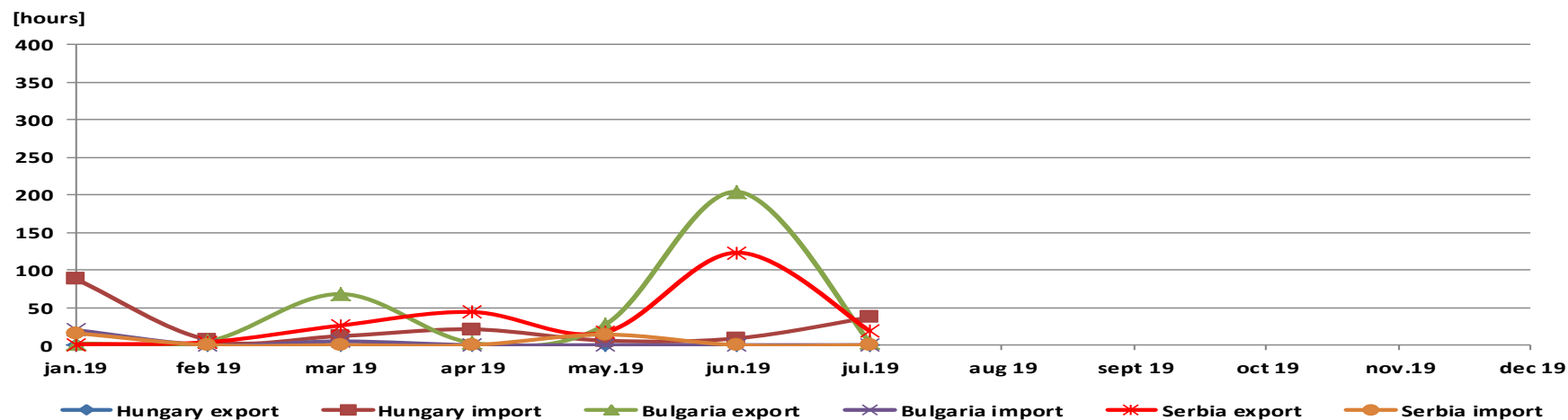
Ukraine (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
UA NTC Exp (-)	-50	-50	-50	-25	-100	-33	-58					
UA Cross-border Schedules Exp (-)	0	0	0	0	0	0	0					
UA NTC Imp (+)	400	500	352	332	400	133	181					
UA Cross-border Schedules Imp (+)	97	60	40	50	37	4	27					

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: 0.23% on export direction and 12.88% 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.19	feb 19	mar 19	apr 19	may.19	jun.19	jul.19	aug 19	sept 19	oct 19	nov.19	dec 19
Hungary export	0	0	0	0	0	0	0					
Hungary import	88	7	12	21	6	9	37					
Bulgaria export	2	5	68	3	27	204	4					
Bulgaria import	20	0	5	0	0	0	0					
Serbia export	1	4	26	44	17	123	19					
Serbia import	16	0	0	0	14	0	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 2019

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
Hungary import	37.14	65.43	1935	25.00	63.00	1717	-	-	-	74.29	94.63	5768	23.65	50.34	1259
Hungary export	21.43	53.43	1261	33.33	72.81	2158	-	-	-	84.48	100.00	7300	18.63	48.77	1128
Bulgaria import	26.67	69.33	1904	17.24	41.87	978	28.91	70.71	1863	-	-	-	23.37	54.68	1192
Bulgaria export	13.42	39.60	990	41.67	74.44	2477	25.04	64.32	1717	-	-	-	16.49	45.86	1099
Serbia import	24.50	64.00	1672	25.68	63.82	1687	25.52	64.98	1782	79.34	100.00	6611	21.55	52.43	1213
Serbia export	33.50	68.50	2027	20.00	55.58	1499	33.62	72.06	2095	95.85	100.00	9201	15.75	44.90	1134
Ukraine import	-	-	-	45.00	92.50	3213	-	-	-	-	-	-	45.00	92.50	3213
Ukraine export	-	-	-	38.89	93.33	3217	-	-	-	-	-	-	38.89	93.33	3217
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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