



Societate Administrată în sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

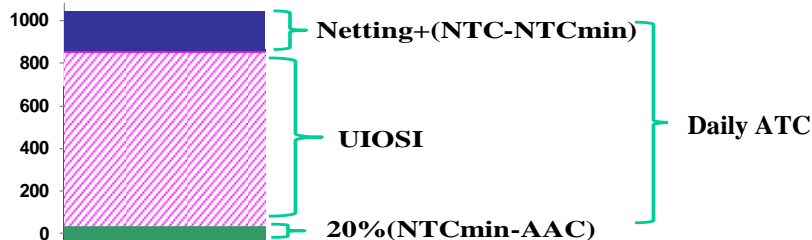
October 2019

- 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 October 2019 were held as:
 - ✓ import Hungary*: 01 – 31.10.2019;
 - ✓ export Hungary: 01 – 09.10.2019; 10 – 13.10.2019; 14 – 25.10.2019; 26 – 31.10.2019;
 - ✓ import/export Bulgaria*: 01 – 31.10.2019;
 - ✓ import Serbia: 01 – 06.10.2019; 07 – 16.10.2019; 17 – 31.10.2019;
 - ✓ export Serbia: 01 – 09.10.2019; 10 – 13.10.2019; 14 – 25.10.2019; 26 – 27.10.2019; 28 – 31.10.2019;
 - ✓ importUkraine: 11 – 16.10.2019; 17 – 31.10.2019;
 - ✓ export Ukraine: 11 – 31.10.2019.
- In October 2019 there were no auctions held on Moldavian border. Between 01 – 10.10.2019, 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 October 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
<i>01 - 09 October 2019</i>	0.81	550	450	100	350	4	84	1501	80	426
<i>10 - 13 October 2019</i>	0.81	600	500	150	350	4	124	1501	122	468
<i>14 - 25 October 2019</i>	0.81	500	400	50	350	4	44	1501	38	384
<i>26 - 31 October 2019</i>	0.81	600	500	150	350	4	124	1501	122	468
Hungary import										
<i>01 - 04 October 2019</i>	1.31	600	500	150	350	0	80	1153	80	430
<i>05 - 06 October 2019</i>	1.31	750	650	300	350	0	80	1153	80	430
<i>07 - 09 October 2019</i>	1.31	550	450	100	350	0	80	1153	80	430
<i>10 October 2019</i>	1.31	650	550	200	350	0	80	1153	80	430
<i>11 - 29 October 2019</i>	1.31	800	700	350	350	0	80	1153	80	430
<i>30 - 31 October 2019</i>	1.31	700	600	250	350	0	80	1153	80	430
Bulgaria export										
<i>01 - 31 October 2019</i>	0.51	600	500	351	149	20	300	1869	300	429
Bulgaria import										
<i>01 - 31 October 2019</i>	1.11	600	500	350	150	3	283	1779	282	429

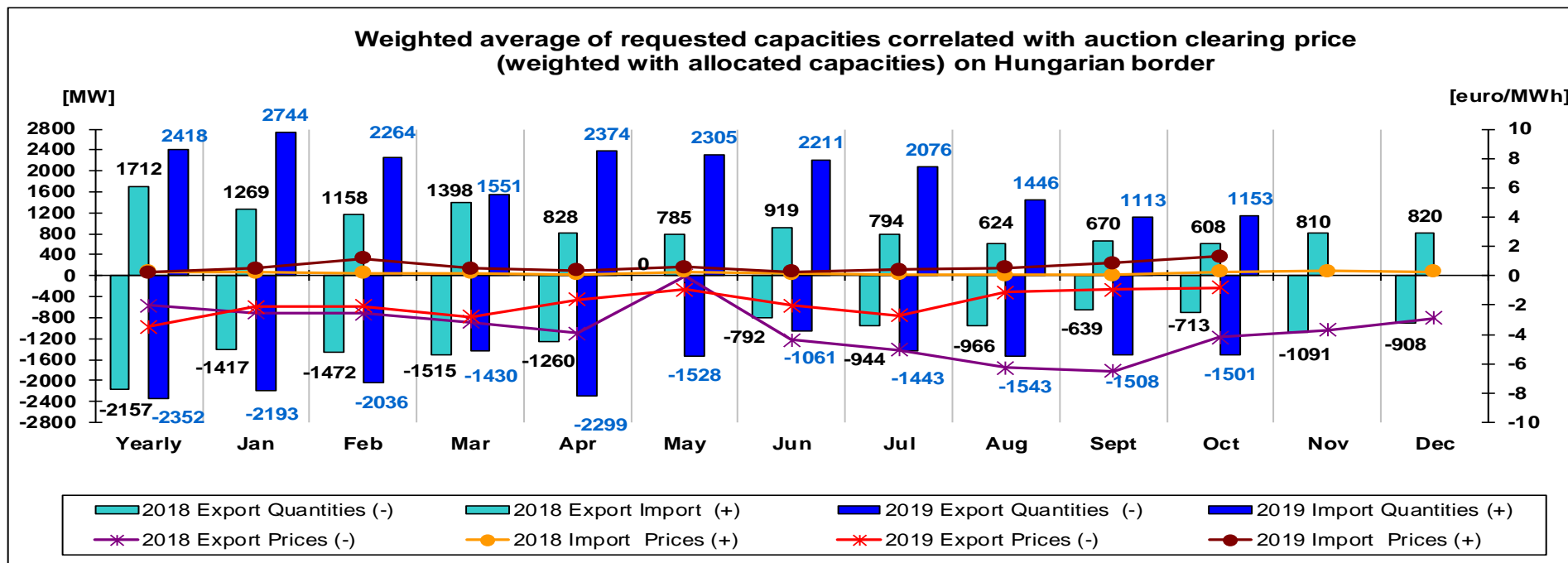
Note: ATC values on Hungarian and Bulgarian borders are calculated before the reservation of capacity. Offered capacity includes reservation and returned capacity.

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

Monthly auction Results of 01 – 31 October 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 09 October 2019	0.33	400	300	100	200	-	100	395	100	300
10 - 13 October 2019	0.27	450	350	150	200	-	150	485	150	350
14 - 25 October 2019	0.36	400	300	100	200	-	100	409	100	300
26 - 27 October 2019	0.27	450	350	150	200	-	150	490	150	350
28 - 31 October 2019	0.15	550	450	250	200	-	250	555	250	450
Serbia import										
01 - 06 October 2019	0.42	550	450	250	200	-	250	855	250	450
07 - 16 October 2019	0.55	500	400	200	200	-	200	845	200	400
17 - 31 October 2019	0.33	700	600	400	200	-	400	1095	400	600
Ukraine export										
01 - 10 October 2019	-	0	0	-	-	-	-	-	-	-
11 - 31 October 2019	0.13	150	50	50	-	-	50	100	50	50
Ukraine import										
01 - 10 October 2019	-	0	0	-	-	-	-	-	-	-
11 - 16 October 2019	0.65	400	300	300	-	-	300	549	300	300
17 - 31 October 2019	0.70	300	200	200	-	-	200	419	200	200
Moldavia export										
01 - 31 October 2019	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 31 October 2019	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 31 October 2019	-	-	-	-	-	-	-	-	-	-
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 31 October 2019	-	-	-	-	-	-	-	-	-	-
RO_Cioara	-	-	-	-	-	-	-	-	-	-

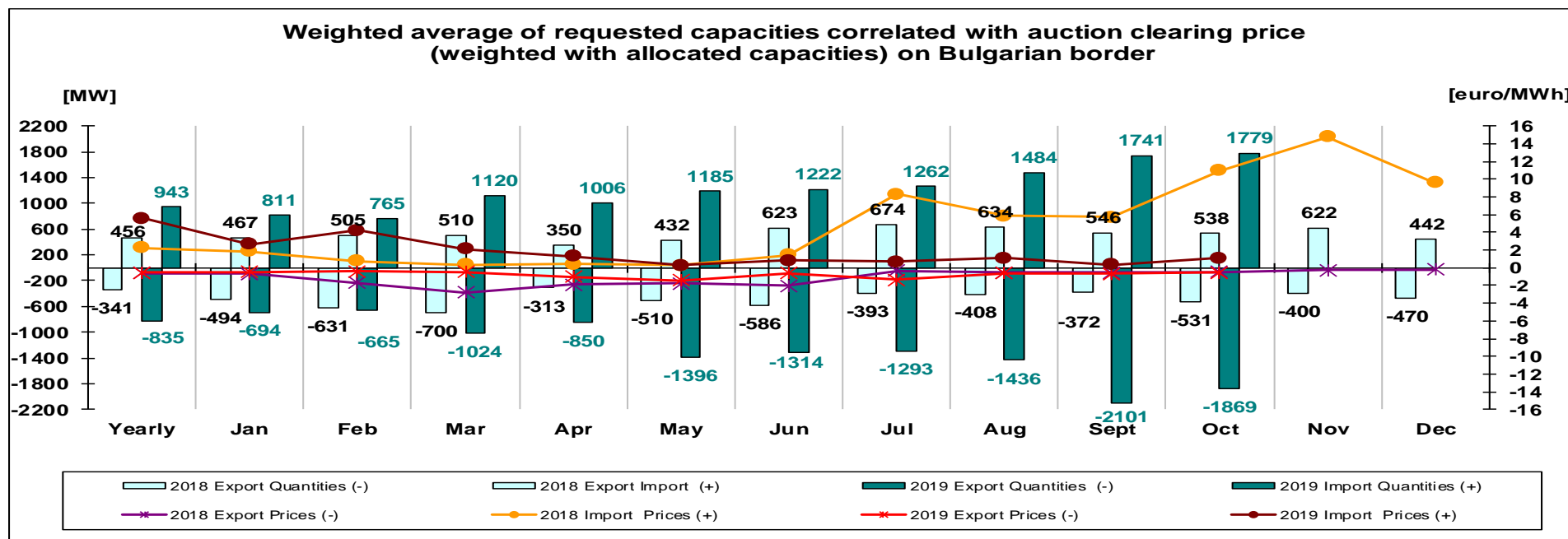
* final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.



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	1.13	0.94	0.81		
Hungary import	0.24	0.51	1.19	0.49	0.37	0.59	0.27	0.42	0.56	0.87	1.31		

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

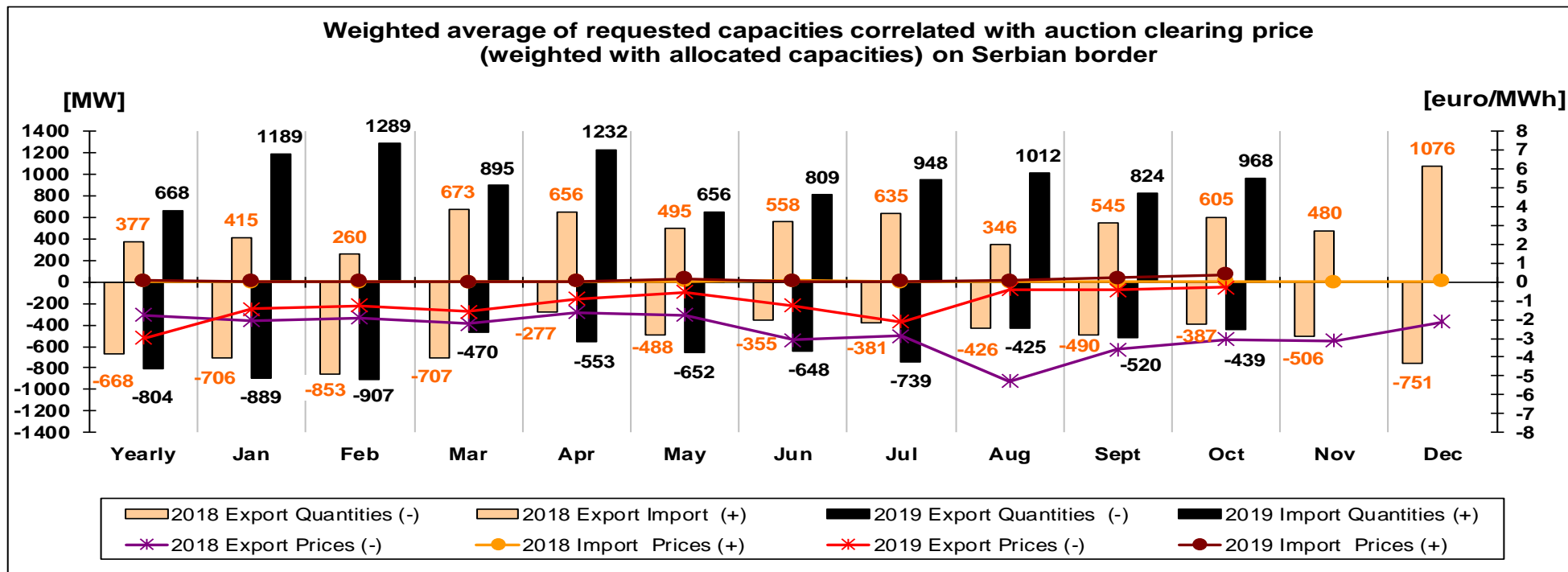
- Compared with previous year, in October 2019 the auction price significantly decreased on export direction, while offered capacity did not vary and capacity request was higher. On import direction, the auction price increased compared with previous year, while capacity request was higher and offered capacity was lower.



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	0.61	0.71	0.51		
Bulgaria import	5.60	2.67	4.24	2.09	1.27	0.27	0.82	0.68	1.11	0.31	1.11		

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

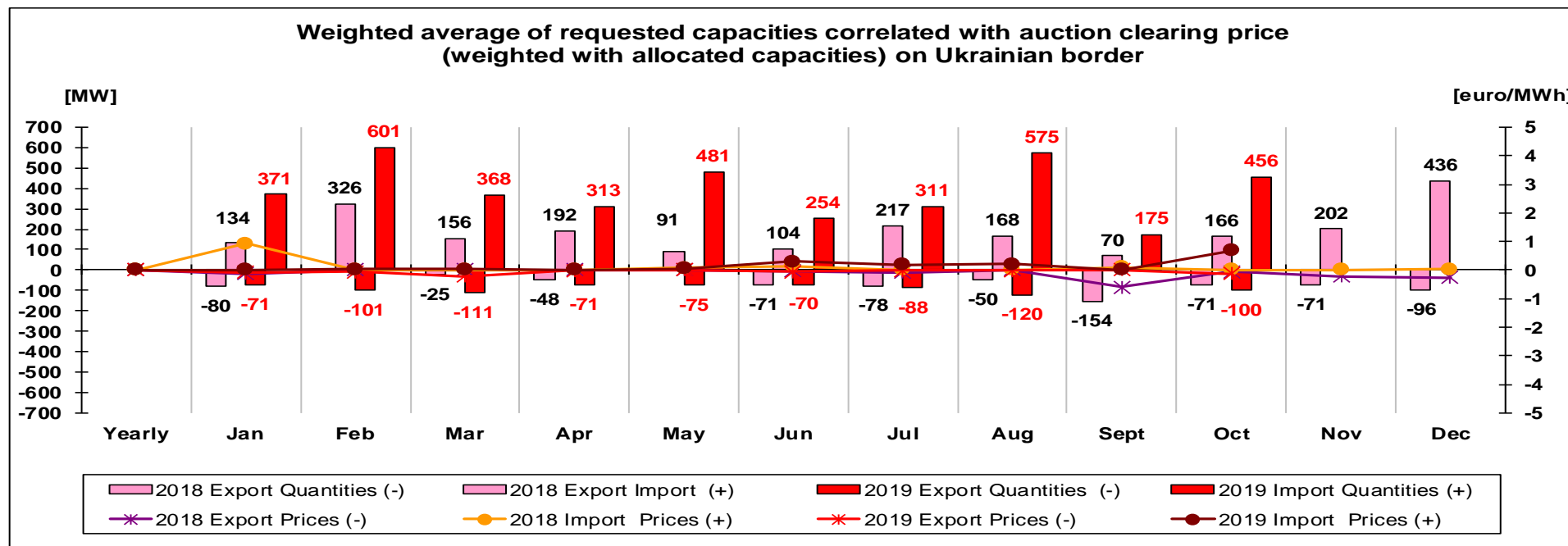
- Compared with previous year, in October 2019 the auction price slightly varied on export direction, while offered capacity and capacity request were higher. Compared with previous year, in October 2019, the auction price significantly decreased on import direction, while offered capacity and capacity 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	0.38	0.45	0.28		
Serbia import	0.07	0.03	0.03	0.01	0.03	0.16	0.04	0.03	0.06	0.21	0.39		

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 October 2019 the auction price significantly decreased on export direction, while offered capacity was lower and capacity request was higher. In October 2019, monthly auction price increased on import direction, while offered capacity did not vary significantly and capacity request increased.

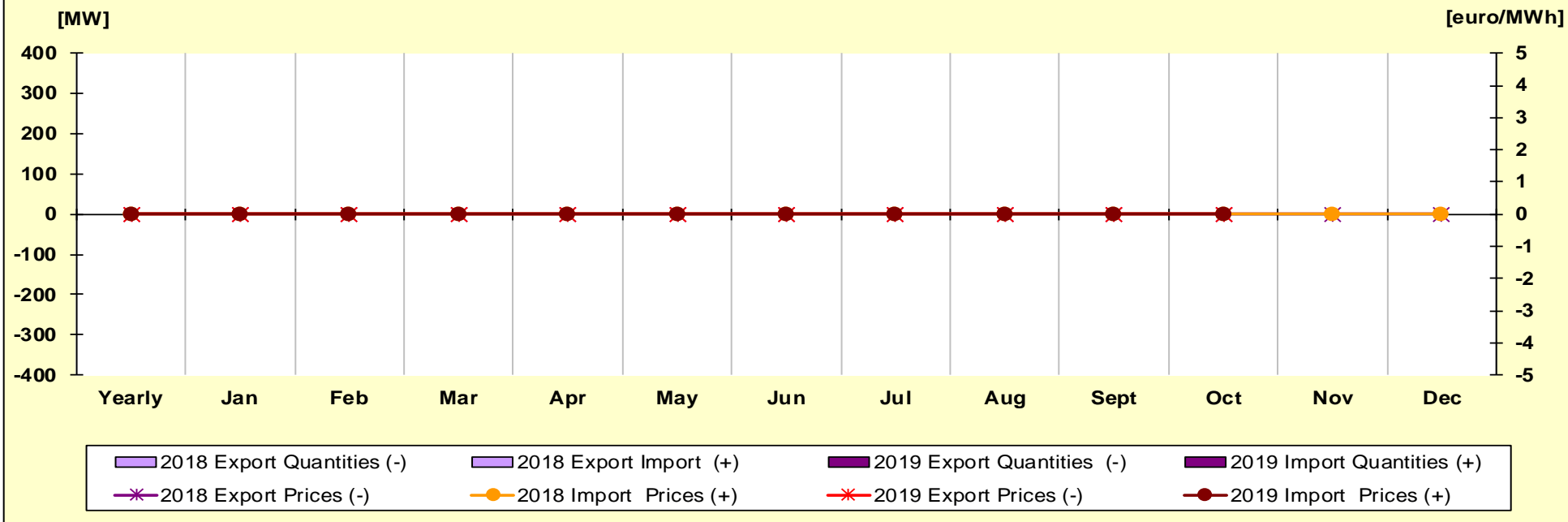


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Ukraine export	-	0.08	0.07	0.22	0.01	0.00	0.07	0.02	0.01	-	0.13		
Ukraine import	-	0.00	0.04	0.02	0.00	0.06	0.29	0.18	0.21	0.01	0.68		

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
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	0.001	0.03

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

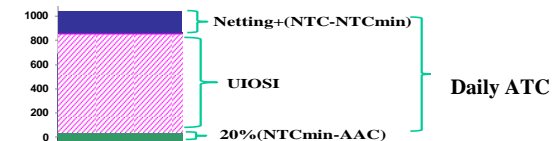


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Moldavia export	-	-	-	-	-	-	-	-	-	-	-		
Moldavia import	-	-	-	-	-	-	-	-	-	-	-		

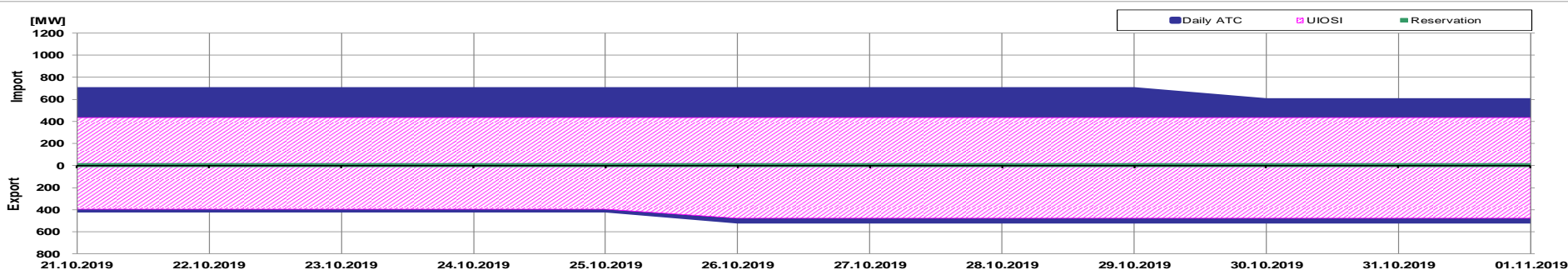
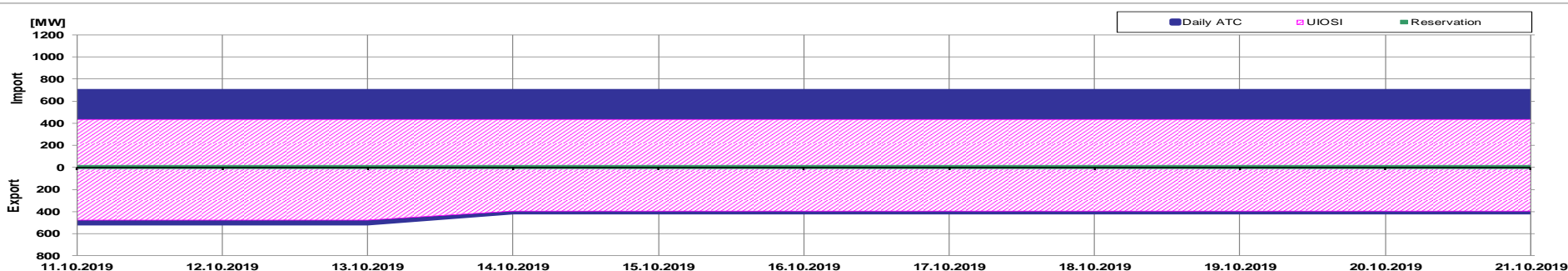
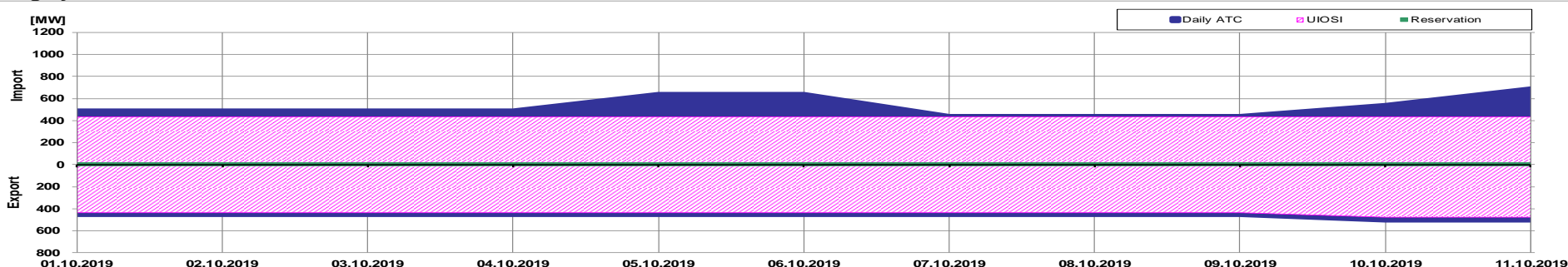
Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

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
19	20	417	417



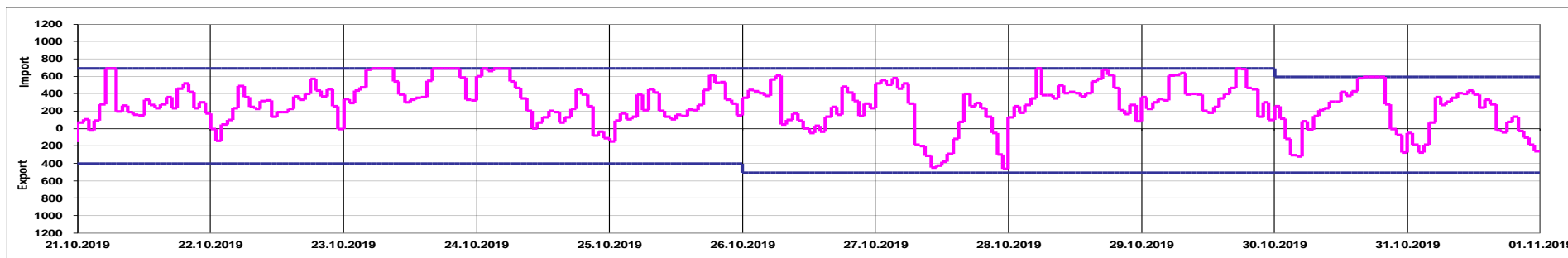
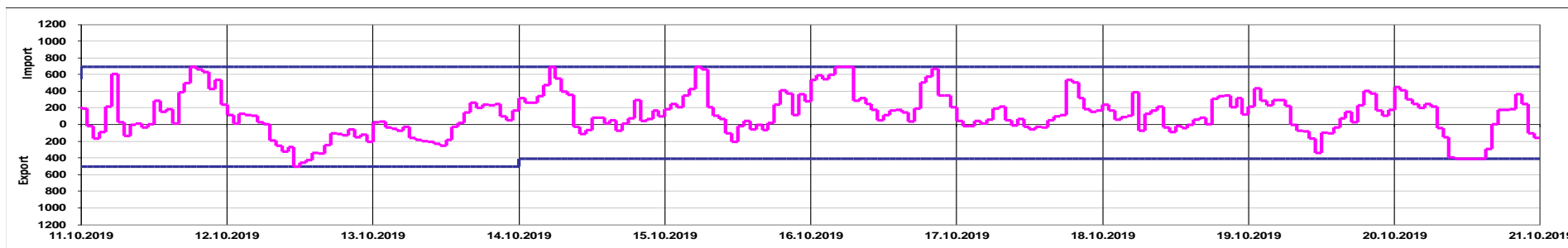
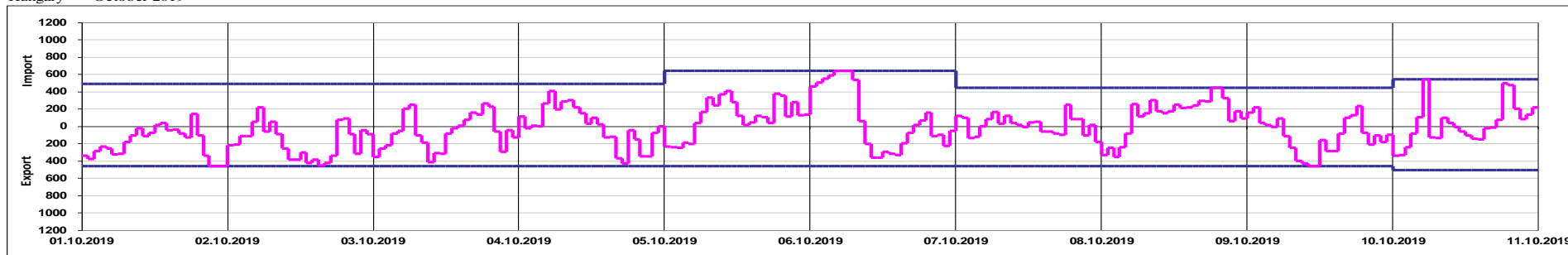
Hungary October 2019



Daily implicit Auctions on Romanian – Hungarian border

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Hungary October 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	25	Max
1	57.45	52.00	48.12	48.87	52.99	65.97	69.99	79.35	75.09	74.71	72.91	73.45	71.36	67.49	70.76	70.10	73.47	78.00	105.01	117.88	75.07	59.00	62.52	52.21		117.88
2	42.77	40.29	39.21	38.30	40.29	51.22	61.33	72.05	70.95	66.69	63.56	62.42	58.51	58.93	61.25	64.24	66.13	69.15	70.15	75.87	69.25	62.32	58.04	48.09		75.87
3	40.02	34.60	29.00	28.16	34.57	50.74	60.49	68.20	70.10	70.02	65.08	65.15	61.70	61.08	64.04	67.14	66.60	69.25	72.07	78.09	70.68	65.81	56.41	42.18		78.09
4	47.89	38.32	34.28	33.92	35.51	48.49	59.59	70.43	73.48	73.48	72.67	73.48	74.43	67.16	69.26	69.59	70.70	69.58	72.49	75.12	74.23	62.89	60.00	48.50		75.12
5	55.08	47.76	35.89	34.64	39.07	45.01	49.51	56.79	59.92	67.00	69.43	73.71	67.54	58.97	57.72	58.55	60.06	60.44	69.29	84.45	73.87	64.07	60.88	52.23		84.45
6	55.03	45.84	38.67	34.77	35.08	40.00	37.99	52.23	50.77	57.26	58.97	58.55	52.31	41.99	45.69	47.00	59.00	66.36	75.02	88.20	73.50	73.50	62.55	57.00		88.20
7	36.11	31.99	31.10	31.00	33.83	44.88	57.90	75.37	87.06	82.10	73.25	71.39	68.04	60.05	60.44	65.62	69.29	71.48	75.23	67.18	52.23	50.01	43.06			87.06
8	40.09	35.12	29.09	28.17	32.75	44.12	59.04	73.50	75.06	74.75	70.20	70.34	73.50	73.97	73.50	72.23	75.79	76.50	128.89	126.36	75.97	69.29	66.05	51.84		128.89
9	46.49	37.56	24.90	21.54	22.79	40.04	59.00	73.52	75.05	70.40	63.45	62.56	57.97	60.91	67.00	71.41	76.08	81.77	78.46	80.38	71.72	61.50	50.04	35.41		81.77
10	37.91	29.44	29.40	29.46	37.09	58.97	62.55	82.63	80.08	80.04	83.30	88.16	87.40	78.98	74.51	73.51	78.98	78.98	84.25	96.88	89.94	72.30	73.51	64.50		96.88
11	51.21	43.77	37.46	40.18	43.06	47.71	68.57	73.68	73.99	68.92	65.00	57.00	52.06	50.02	51.74	61.94	66.48	72.75	73.47	85.01	71.37	60.87	56.00	48.00		85.01
12	53.04	50.17	40.56	37.05	37.01	47.04	52.08	61.01	68.96	61.18	52.67	46.11	42.10	40.01	40.20	44.03	53.06	58.06	66.15	65.93	62.11	52.03	36.50	31.50		68.96
13	36.61	33.91	28.58	27.78	26.06	28.00	32.07	39.37	40.02	36.92	34.89	34.02	33.63	34.35	34.87	36.59	46.29	53.79	71.25	73.35	67.04	57.19	43.16	32.25		73.35
14	30.07	27.99	24.44	23.12	29.29	50.44	67.92	110.34	102.98	71.80	69.07	65.03	61.93	60.95	64.04	69.14	73.08	73.06	126.10	85.94	73.07	67.09	52.08	45.09		126.10
15	44.76	42.01	38.26	37.83	40.03	58.27	73.89	78.54	75.04	71.82	68.29	65.92	60.95	59.67	61.47	66.79	71.99	75.05	100.05	78.03	71.57	64.97	50.08	40.09		100.05
16	46.06	40.91	36.96	34.99	44.37	62.69	88.35	126.22	103.36	75.38	69.13	63.44	58.90	55.83	58.90	64.06	71.56	75.01	115.70	85.01	72.05	62.10	54.23	48.02		126.22
17	46.08	43.91	39.54	38.99	41.10	49.90	60.39	72.38	74.09	72.34	65.73	64.48	61.01	60.08	63.20	67.33	70.27	75.06	99.39	89.56	75.17	67.97	59.43	49.04		99.39
18	47.32	44.08	40.78	40.67	41.70	49.63	71.31	70.10	72.11	70.86	69.21	63.08	61.01	60.10	60.42	67.35	75.01	73.98	78.09	76.03	72.63	70.01	58.98	48.47		78.09
19	51.96	46.31	43.04	40.09	40.14	42.22	50.07	73.00	73.40	71.29	65.36	60.00	55.02	48.50	48.22	55.59	64.00	72.01	95.26	73.40	69.93	61.62	44.20	34.59		95.26
20	40.10	32.67	30.02	27.78	27.01	29.07	31.91	44.42	44.06	43.98	38.00	35.50	37.71	34.34	35.20	40.97	46.19	52.38	69.18	68.04	68.57	56.08	41.28	34.91		69.18
21	34.60	33.52	30.75	31.53	32.06	46.26	65.18	74.52	73.39	70.05	64.60	59.29	56.02	58.82	59.82	68.03	71.51	78.07	97.93	85.02	73.39	64.82	55.26	42.81		97.93
22	40.60	38.28	35.64	34.87	37.85	46.00	57.05	62.45	62.81	59.18	55.52	52.44	49.05	46.82	47.67	54.04	58.88	63.48	69.84	72.08	66.23	56.69	51.08	40.50		72.08
23	41.27	38.00	35.97	33.42	36.05	45.18	57.78	60.41	62.41	58.12	53.71	51.61	46.19	44.08	43.59	44.70	51.47	58.83	84.05	84.05	60.72	51.24	39.04	33.59		84.05
24	40.02	37.81	30.19	30.00	36.76	44.42	69.50	66.58	69.82	63.09	59.99	56.43	56.01	56.09	56.10	58.82	58.82	70.02	75.26	77.04	73.01	64.48	52.15	44.00		77.04
25	41.01	37.09	28.54	28.58	36.43	45.94	59.79	100.06	74.99	73.59	61.39	57.77	57.77	56.05	51.62	58.82	62.39	73.32	90.09	90.02	69.46	58.81	41.01	38.06		100.06
26	42.90	38.15	31.92	30.94	32.07	36.54	47.84	61.56	67.02	57.86	49.88	40.04	37.01	30.98	30.98	39.57	53.03	74.93	94.89	95.92	71.33	59.09	39.10	35.64		95.92
27	40.52	37.32	22.00	21.02	17.59	18.23	21.02	29.73	34.05	34.06	36.04	36.12	33.00	33.05	29.74	30.02	34.07	44.93	73.38	70.09	60.66	54.48	41.72	34.82	25.45	73.38
28	32.25	27.89	25.26	25.58	27.81	47.31	75.21	67.07	72.67	62.49	60.02	62.90	70.52	71.95	77.07	71.48	95.38	114.04	103.93	98.93	78.55	70.05	63.12	42.91		114.04
29	42.93	39.42	37.45	37.68	39.04	43.02	58.87	68.87	75.99	69.17	73.00	74.01	73.38	68.75	64.60	69.03	71.27	109.88	85.89	73.38	62.65	56.12	46.14	39.99		109.88
30	39.05	36.97	36.01	35.30	35.70	40.23	47.10	57.99	62.46	58.95	58.44	58.86	60.04	65.01	62.38	65.05	73.37	93.02	73.37	71.26	60.96	48.72	42.61	38.75		93.02
31	36.92	34.18	33.20	32.98	33.75	39.22	46.09	54.95	66.02	57.95	58.86	58.27	58.86	62.02	64.81	68.32	83.67	100.03	76.20	63.97	50.99	45.93	41.54	36.81		100.03

Average 57.34 EUR/MWh

Public

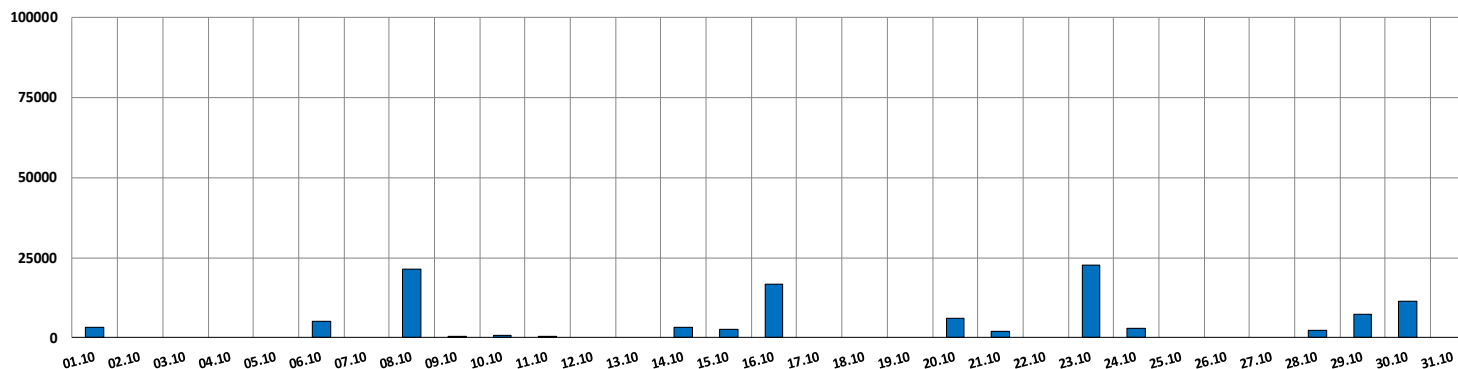
Congestion Prices [Euro/MWh]

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	25	Max
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.97	3.20	3.78		6.97
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	9.72	6.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.72
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.80	42.17	-	-	-	-	-	53.80
9	-	-	-	-	-	-	-	-	-	-	0.35	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35
10	-	-	-	-	-	2.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.53
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	-	-	-	-	-	-	0.44
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
14	-	-	-	-	-	9.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.48
15	-	-	-	-	-	7.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.84
16	-	-	-	-	7.32	15.37	25.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.41
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	-	-	-	7.02	10.51	5.40	3.50	2.75	-	-	-	-	-	-	-	-	-	-	10.51
21	-	-	-	-	-	4.27	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.27
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
23	-	-	-	-	-	6.62	10.54	5.35	2.64	-	-	-	-	-	-	-	2.78	4.85	17.33	14.00	1.52	-	-	-	-	17.33
24	-	1.31	-	1.30	5.77	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.77
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	6.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.83
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.01	-	-	-	-	-	-	21.01
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.44	23.99	3.41	1.08	-	-	-	-	-	23.99
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average **8.80 EUR/MWh**

Daily implicit Auctions on Romanian – Hungarian border

Congestion Income RO



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.10	6375	3188
02.10	0	0
03.10	0	0
04.10	0	0
05.10	0	0
06.10	10288	5144
07.10	0	0
08.10	42515	21257
09.10	260	130
10.10	1374	687
11.10	305	152
12.10	0	0
13.10	0	0
14.10	6570	3285
15.10	5433	2717
16.10	33333	16667
17.10	0	0
18.10	0	0
19.10	0	0
20.10	11876	5938
21.10	3694	1847
22.10	0	0
23.10	45482	22741
24.10	6050	3025
25.10	0	0
26.10	0	0
27.10	0	0
28.10	4733	2367
29.10	14560	7280
30.10	22487	11243
31.10	0	0
Total	215334	107667

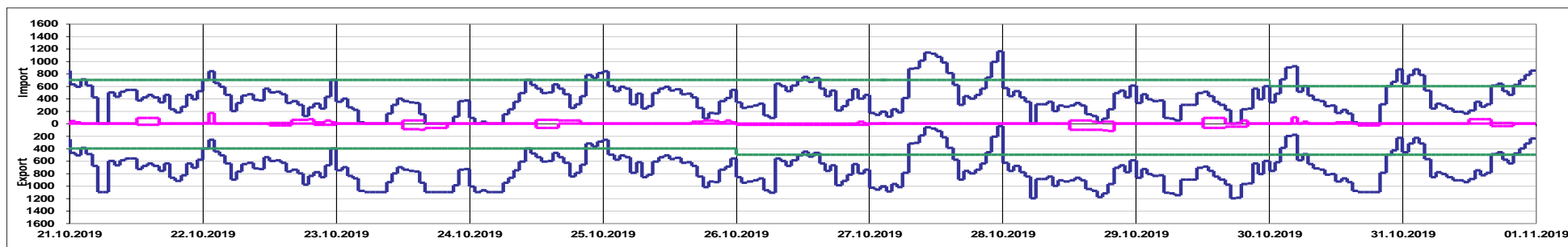
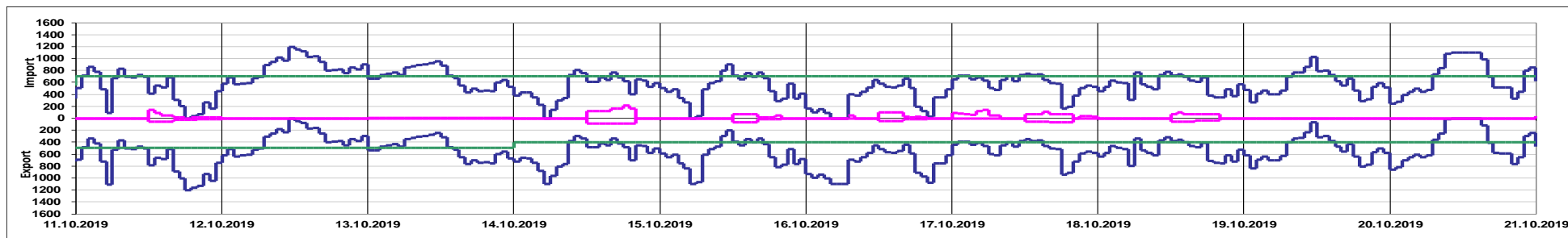
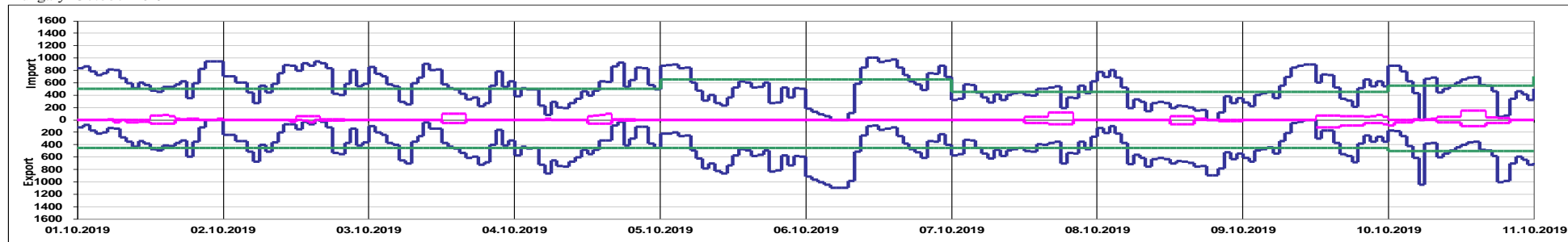
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
18512	196822	17128	135863
215334		152991	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
62343	31172

Intraday Auctions on Romanian – Hungarian border

Societate Administrată în sistem Dualist

Hungary October 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		
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
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	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	

Hungary October 2019



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border



romania2019.eu
Președinția României la Consiliul Uniunii Europene

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	25	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
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	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
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
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
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
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
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
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
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

Hungary October 2019

Public



Societate Administrată în sistem Dualist

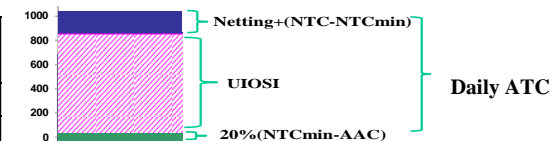
Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border

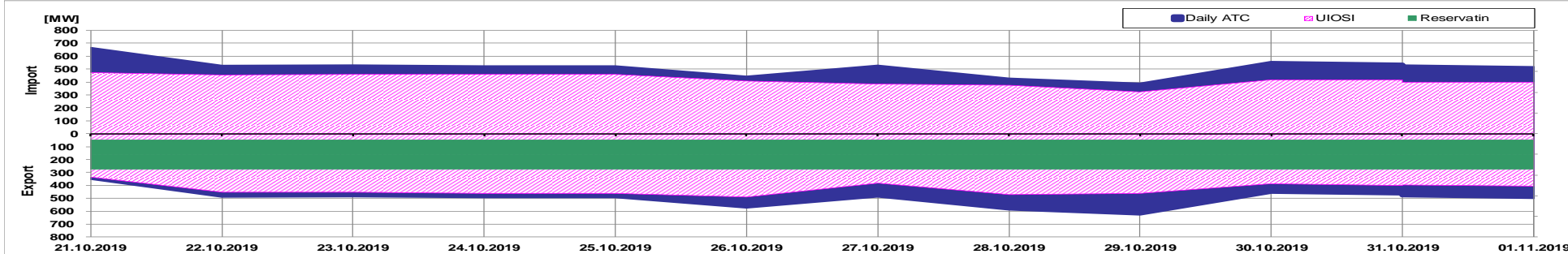
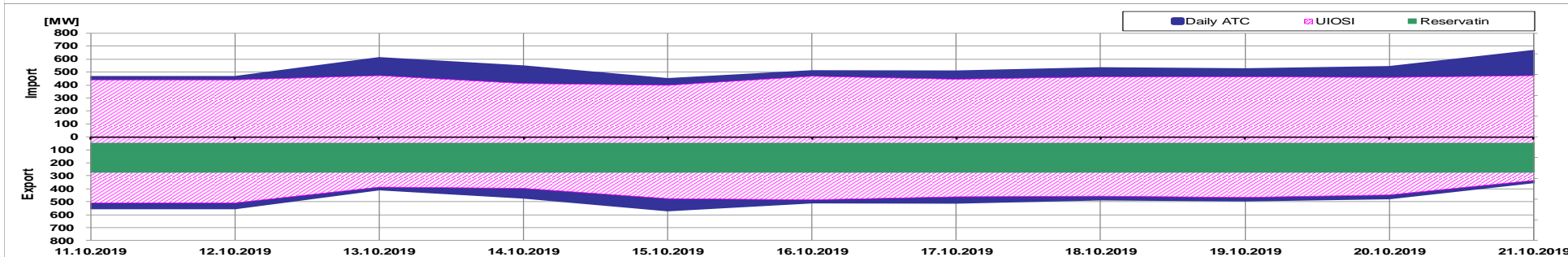
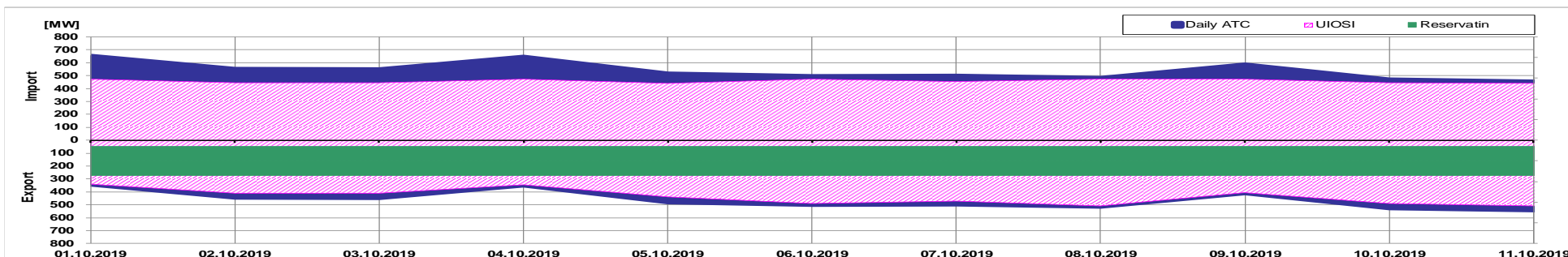


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Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
71	70	395	314



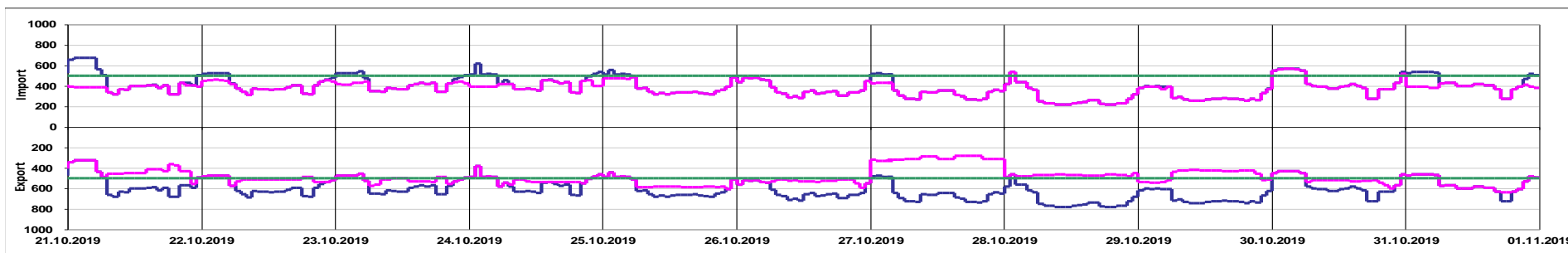
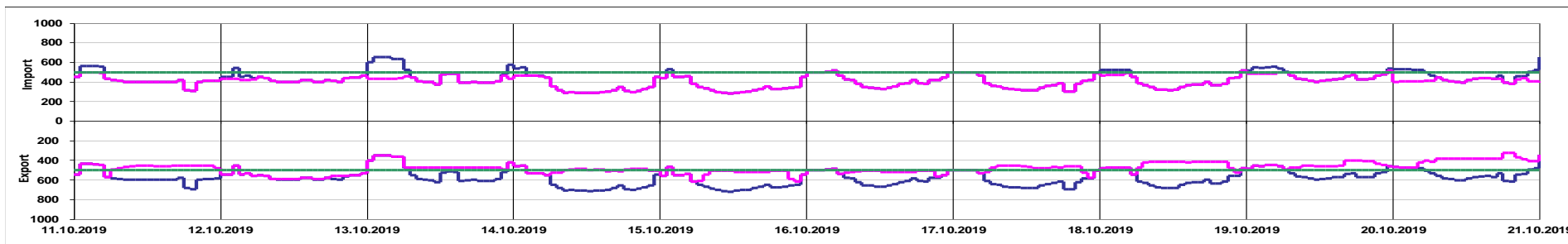
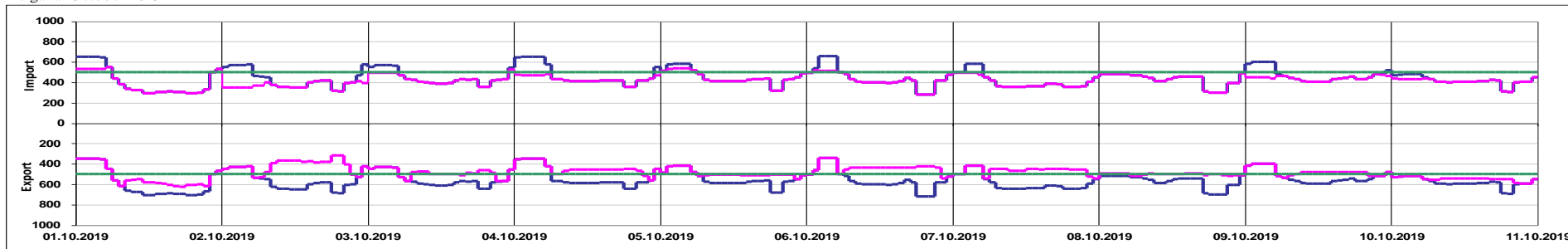
Bulgaria October 2019



Daily Auctions on Romanian – Bulgarian border

Societate Administrată în sistem Dualist

Bulgaria October 2019



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



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Daily Auctions on Romanian – Bulgarian border

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	1.00	1.00	1.69	1.69	1.68	0.61	0.02	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	0.26	0.61	1.69
2	1.69	2.12	2.12	2.12	2.43	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.11	2.43
3	1.20	1.60	1.60	1.50	1.50	0.66	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	0.01	0.99	1.60
4	1.23	1.23	1.23	1.23	1.23	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.88	1.23
5	0.14	0.44	0.44	0.44	0.44	0.10	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	0.10	0.44	0.44
6	0.05	0.12	0.18	0.18	0.18	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	0.00	0.01	0.18
7	0.03	0.03	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
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	0.01	0.01
9	0.26	0.35	0.26	0.26	0.26	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.11	0.35
10	0.11	0.11	0.11	0.11	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.11
11	0.01	0.05	0.05	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	0.05
12	0.03	0.03	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.05
13	0.06	0.10	0.10	0.09	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.10
14	0.06	0.06	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
15	0.05	0.09	0.05	0.05	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09
16	0.09	0.10	0.10	0.10	0.13	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	0.13
17	0.01	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
18	0.05	0.05	0.05	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	0.05	0.05
19	0.04	0.11	0.11	0.10	0.11	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	0.00	0.04	0.11
20	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
21	0.69	1.55	1.14	1.14	0.69	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.55
22	0.06	0.18	0.18	0.06	0.06	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	0.02	0.04	0.18
23	0.05	0.06	0.06	0.06	0.06	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	0.02	0.02	0.02	0.06
24	0.12	0.54	0.12	0.18	0.12	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.05	0.05	0.54
25	0.10	0.10	0.06	0.06	0.06	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	0.01	0.05	0.10	0.10
26	0.05	0.06	0.06	0.06	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06
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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
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	0.05	0.06	0.06	0.06	0.06	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	0.01	0.05	0.06
31	0.55	1.13	2.11	2.11	1.78	0.26	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	0.01	0.06	0.10	0.10	2.11

Bulgaria October 2019

Daily Auctions on Romanian – Bulgarian border

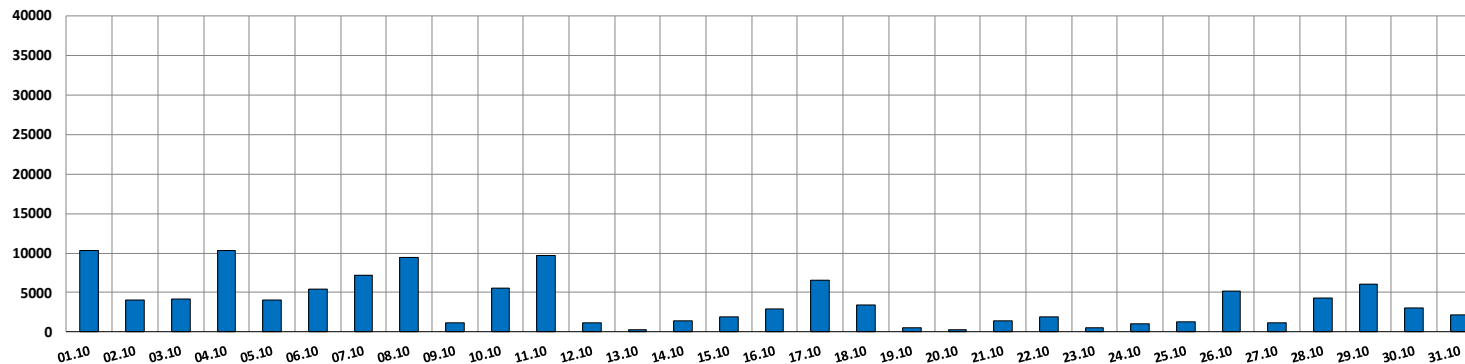
Auction Price [Euro/MWh] – Import

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	0.01	0.11	2.31	2.89	3.00	3.61	4.25	4.25	4.25	3.61	2.89	2.89	3.61	5.44	8.96	3.00	1.00	0.05	0.01		8.96	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.54	0.54	0.54	0.54	0.54	0.19	0.10	0.05	0.05	1.32	3.50	0.44	0.05	0.00	0.00		3.50	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.50	0.76	0.88	0.55	0.36	0.34	0.34	0.34	0.36	0.36	1.56	2.70	1.20	0.12	0.08	0.00		2.70	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.99	1.51	3.01	1.02	1.02	1.56	3.18	3.20	3.20	3.20	3.69	6.12	6.66	3.01	2.96	0.03	0.00		6.66	
5	0.01	0.00	0.00	0.00	0.00	0.01	0.11	0.13	0.18	0.31	0.44	0.44	0.44	0.31	0.18	0.12	0.12	0.95	6.66	6.66	2.50	0.12	0.06	0.02		6.66	
6	0.01	0.00	0.00	0.00	0.00	0.01	0.05	0.22	0.56	1.25	1.25	0.85	0.80	0.80	0.55	0.30	0.55	0.85	8.00	8.00	8.00	0.80	0.18	0.01		8.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.65	3.00	3.00	3.00	3.88	3.88	3.85	2.13	1.50	1.17	2.13	3.00	3.00	1.50	0.98	0.09	0.05		3.88	
8	0.06	0.06	0.06	0.06	0.06	0.09	0.07	1.25	2.00	2.00	1.75	1.75	1.00	1.00	1.75	2.00	2.50	5.00	8.50	11.23	7.50	2.50	0.66	0.06		11.23	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.11	0.20	0.46	0.46	0.44	0.46	0.46	0.39	0.16	0.11	0.11	0.11	0.11	0.05	0.00	0.00		0.46	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.88	1.23	3.00	3.00	1.23	1.58	1.03	0.98	0.85	0.85	0.71	6.00	6.00	0.62	0.55	0.20	0.11		6.00	
11	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.21	0.63	0.46	0.41	0.33	0.33	0.33	0.63	0.46	1.32	4.00	15.00	15.00	10.00	4.00	0.43	0.23		15.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.32	0.56	0.55	0.40	0.32	0.26	0.16	0.16	0.08	0.16	0.32	0.88	0.56	0.08	0.08	0.05		0.88	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.08	0.11	0.16	0.04	0.04	0.04	0.06	0.04	0.04	0.04	0.04	0.04	0.06	0.04	0.00	0.00		0.16
14	0.00	0.00	0.02	0.00	0.00	0.02	0.07	0.32	0.60	0.70	0.86	0.86	0.60	0.70	0.60	0.30	0.54	0.43	0.68	1.31	0.64	0.21	0.07	0.00		1.31	
15	0.01	0.00	0.01	0.01	0.01	0.05	0.10	1.15	1.34	0.46	0.88	0.88	0.68	0.68	0.55	0.45	0.33	0.39	1.34	1.34	0.62	0.32	0.08	0.01		1.34	
16	0.05	0.05	0.05	0.05	0.04	0.24	0.60	0.65	0.56	0.75	0.48	0.55	0.55	0.48	0.33	0.28	0.28	1.00	5.00	1.29	0.65	0.35	0.10	0.08		5.00	
17	0.04	0.04	0.04	0.05	0.06	0.42	2.33	5.80	5.28	2.56	1.56	1.29	1.23	1.23	0.55	0.40	0.46	1.66	7.38	5.55	0.88	0.36	0.08	0.06		7.38	
18	0.00	0.00	0.00	0.00	0.00	0.05	0.24	1.83	1.50	0.53	0.44	0.37	0.26	0.26	0.25	0.15	0.19	0.58	6.12	5.28	0.38	0.13	0.06	0.02		6.12	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.11	0.19	0.21	0.21	0.19	0.11	0.06	0.05	0.06	0.24	0.16	0.06	0.06	0.05	0.00		0.24	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.08	0.11	0.21	0.11	0.06	0.05	0.02	0.02	0.00	0.22	0.22	0.00	0.00	0.00	0.00		0.22	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.22	0.08	0.11	0.07	0.07	0.05	0.05	0.00	0.05	0.05	1.17	0.59	0.05	0.00	0.02	0.00		1.17	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.98	0.98	0.12	0.33	0.76	0.54	0.68	0.33	0.08	0.06	0.33	2.00	2.00	0.33	0.03	0.00	0.00		2.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	0.06	0.05	0.17	0.29	0.17	0.06	0.05	0.05	0.05	0.05	0.59	0.40	0.05	0.00	0.00	0.00		0.59	
24	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.36	0.18	0.05	0.10	0.17	0.10	0.02	0.00	0.01	0.05	0.05	2.00	1.01	0.26	0.00	0.00	0.00		2.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.24	0.25	0.25	0.36	0.88	0.61	0.36	0.25	0.13	0.21	0.33	1.02	1.69	0.25	0.12	0.06	0.00		1.69	
26	0.16	0.08	0.08	0.08	0.10	0.17	0.25	0.74	2.24	2.00	2.24	2.51	1.69	1.69	1.69	0.69	0.66	1.06	4.94	4.97	2.24	0.76	0.32	0.22		4.97	
27	0.00	0.00	0.00	0.00	0.00	0.05	0.25	0.40	0.40	0.51	0.40	0.77	0.77	0.40	0.40	0.40	0.36	0.25	0.40	0.40	0.40	0.40	0.17	0.05	0.05		0.77
28	0.11	0.01	0.07	0.07	0.14	0.22	0.80	1.00	2.50	3.50	4.14	3.50	0.88	1.63	0.88	1.12	1.50	2.49	5.00	3.60	3.20	0.80	0.33	0.22		5.00	
29	0.02	0.00	0.00	0.00	0.00	0.01	0.32	0.65	0.78	2.01	4.55	3.00	2.96	2.30	2.00	1.65	4.96	8.12	8.96	2.00	0.38	0.23	0.00	0.00		8.96	
30	0.01	0.00	0.01	0.00	0.00	0.01	0.05	0.17	0.36	0.89	0.89	1.44	0.54	0.32	0.29	0.32	1.00	4.96	6.00	0.95	0.32	0.14	0.01	0.00		6.00	
31	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.06	0.33	0.31	0.11	0.06	0.00	0.00	0.00		0.33	

Bulgaria

October 2019

Congestion Income RO



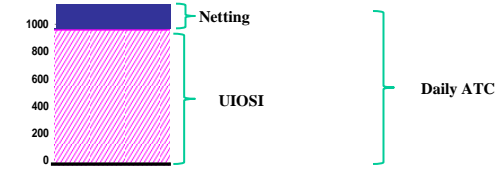
Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.10	20615	10308
02.10	8065	4032
03.10	8275	4138
04.10	20658	10329
05.10	8187	4094
06.10	10870	5435
07.10	14383	7192
08.10	18874	9437
09.10	2253	1127
10.10	11028	5514
11.10	19315	9657
12.10	2262	1131
13.10	549	274
14.10	2961	1480
15.10	3896	1948
16.10	5968	2984
17.10	13154	6577
18.10	6954	3477
19.10	1071	536
20.10	532	266
21.10	2812	1406
22.10	3724	1862
23.10	977	488
24.10	2128	1064
25.10	2607	1303
26.10	10349	5174
27.10	2238	1119
28.10	8726	4363
29.10	12069	6034
30.10	6184	3092
31.10	4267	2134
Total	235950	117975

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
26695	209255	19093	160175
235950		179268	

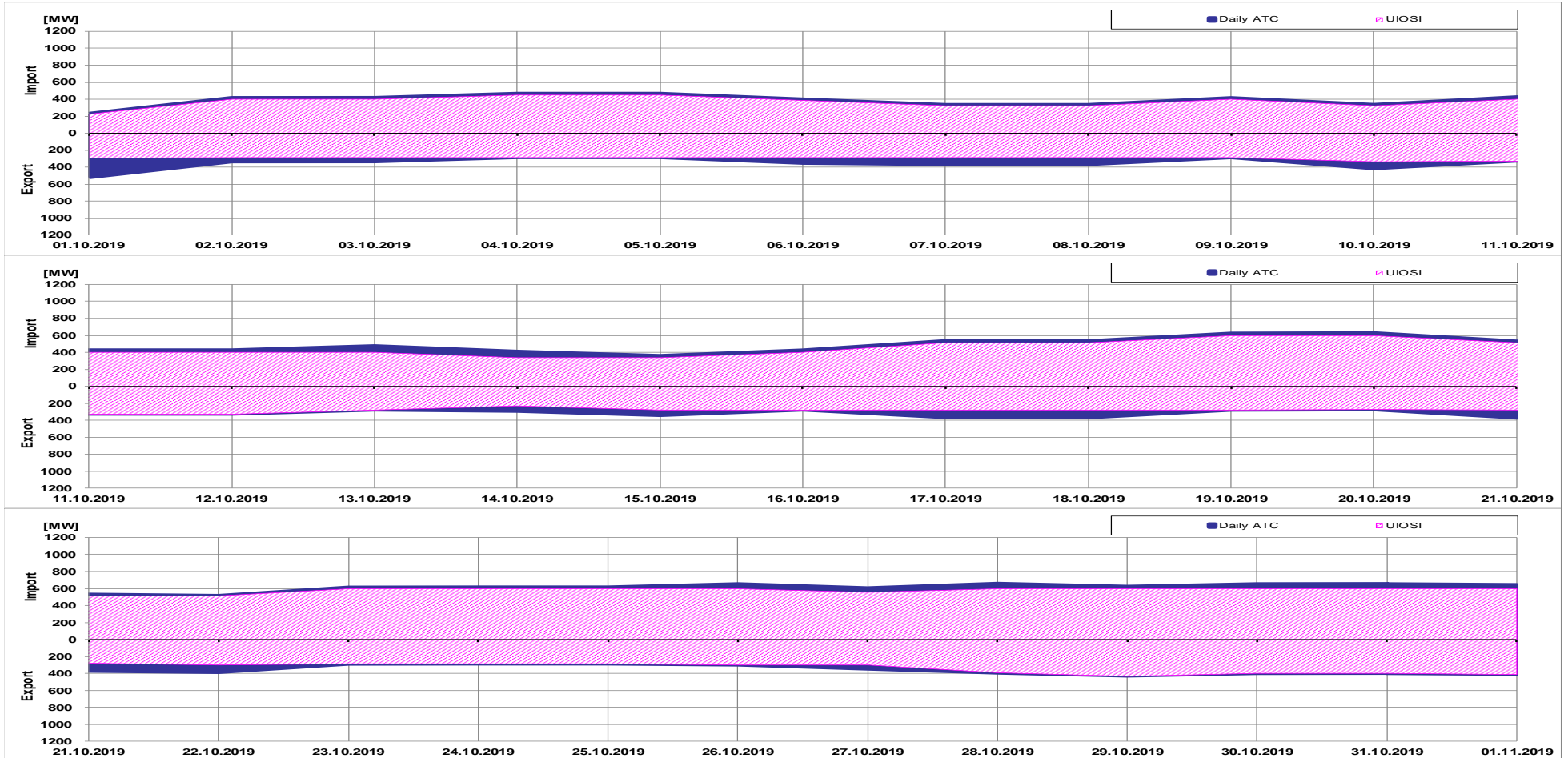
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
56683	28341

Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
305	456

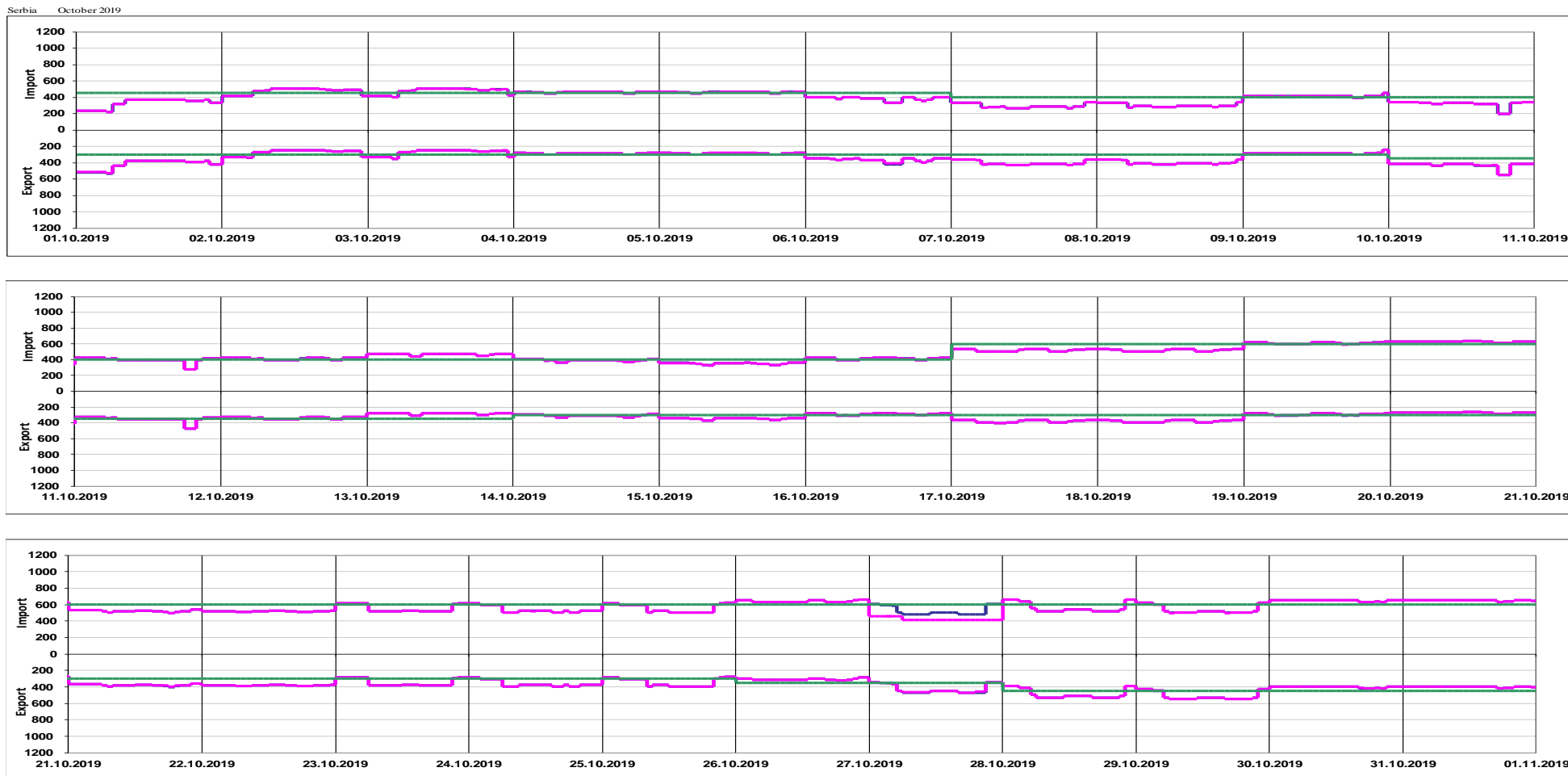


Serbia October 2019



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]

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	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.03	0.03	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.03	0.06	0.08	0.08	0.08	0.08	
2	0.25	0.26	0.26	0.26	0.26	0.25	0.33	0.26	0.33	0.82	1.21	1.21	1.21	1.21	1.21	0.97	0.49	0.34	0.22	0.22	0.22	0.49	0.66	0.50	1.21	
3	0.22	0.26	0.26	0.26	0.22	0.35	0.15	0.26	0.35	0.35	0.35	0.35	0.26	0.26	0.35	0.35	0.35	0.27	0.15	0.15	0.22	0.17	0.35	0.26	0.35	
4	0.22	0.51	0.51	0.35	0.35	0.30	0.14	0.22	0.22	0.22	0.26	0.26	0.30	0.30	0.30	0.30	0.30	0.22	0.09	0.07	0.09	0.13	0.32	0.35	0.51	
5	0.42	0.53	0.53	0.53	0.53	0.42	0.37	0.33	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.53	
6	0.06	0.06	0.12	0.12	0.11	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.03	0.05	0.05	0.05	0.12	
7	0.11	0.11	0.11	0.11	0.11	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.09	0.11
8	0.15	0.15	0.15	0.15	0.15	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.11	0.15
9	1.30	1.30	1.30	1.30	1.30	1.30	0.35	0.32	0.32	0.34	0.45	0.45	0.45	0.45	0.45	0.45	0.34	0.32	0.23	0.23	0.32	0.66	1.60	1.88	1.88	
10	0.66	0.66	0.66	0.66	0.66	0.66	0.16	0.12	0.12	0.12	0.12	0.12	0.12	0.15	0.12	0.15	0.15	0.12	0.08	0.11	0.12	0.25	0.36	0.36	0.66	
11	0.88	0.88	0.88	0.88	0.88	0.88	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.18	0.18	0.15	0.09	0.06	0.03	0.03	0.06	0.06	0.09	0.09	0.88	
12	0.32	0.32	0.32	0.32	0.32	0.25	0.10	0.12	0.12	0.12	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.11	0.11	0.24	0.24	0.29	0.31	0.32	
13	0.34	0.34	0.34	0.34	0.34	0.34	0.24	0.12	0.12	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.11	0.11	0.12	0.15	0.15	0.17	0.34	
14	0.38	0.38	0.38	0.38	0.38	0.30	0.15	0.11	0.11	0.14	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.11	0.11	0.11	0.15	0.22	0.22	0.38	
15	0.35	0.35	0.35	0.35	0.35	0.22	0.14	0.09	0.09	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.09	0.09	0.11	0.16	0.20	0.17	0.35	
16	0.48	0.48	0.48	0.48	0.48	0.32	0.25	0.23	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.18	0.18	0.25	0.26	0.32	0.32	0.48	
17	0.14	0.14	0.14	0.14	0.14	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.09	0.09	0.09	0.09	0.07	0.05	0.05	0.07	0.07	0.07	0.14	0.12	0.14	
18	0.05	0.08	0.08	0.08	0.06	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.05	0.08	0.08	0.08	
19	0.27	0.27	0.27	0.27	0.26	0.16	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	0.15	0.15	0.15	0.27	
20	0.45	0.45	0.45	0.45	0.45	0.45	0.33	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.21	0.11	0.11	0.31	0.31	0.31	0.31	0.45	
21	0.09	0.12	0.12	0.12	0.12	0.06	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	0.04	0.09	0.09	0.12	
22	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	0.06	0.06	0.06	0.08	0.09	0.08	0.09	
23	0.50	0.50	0.50	0.50	0.50	0.32	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	0.32	0.32	0.32	0.50	
24	0.75	0.75	0.56	0.56	0.56	0.15	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.10	0.12	0.12	0.75	
25	0.10	0.20	0.20	0.15	0.15	0.09	0.09	0.09	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.10	0.15	0.15	0.20	
26	0.55	0.55	0.55	0.55	0.55	0.44	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.12	0.44	0.44	0.55	
27	0.06	0.06	0.06	0.06	0.06	0.06	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	0.00	0.00	0.06	0.06	0.06
28	0.07	0.09	0.09	0.08	0.08	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	0.04	0.12	0.12	0.12	
29	0.09	0.12	0.12	0.09	0.09	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.03	0.09	0.09	0.12	
30	0.11	0.15	0.20	0.20	0.20	0.15	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.15	0.15	0.16	0.20	
31	1.22	1.22	2.20	2.20	2.00	0.76	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.08	0.09	0.09	0.09	0.15	0.54	0.54	2.20	

Serbia

October 2019

Daily Auctions on Romanian – Serbian border

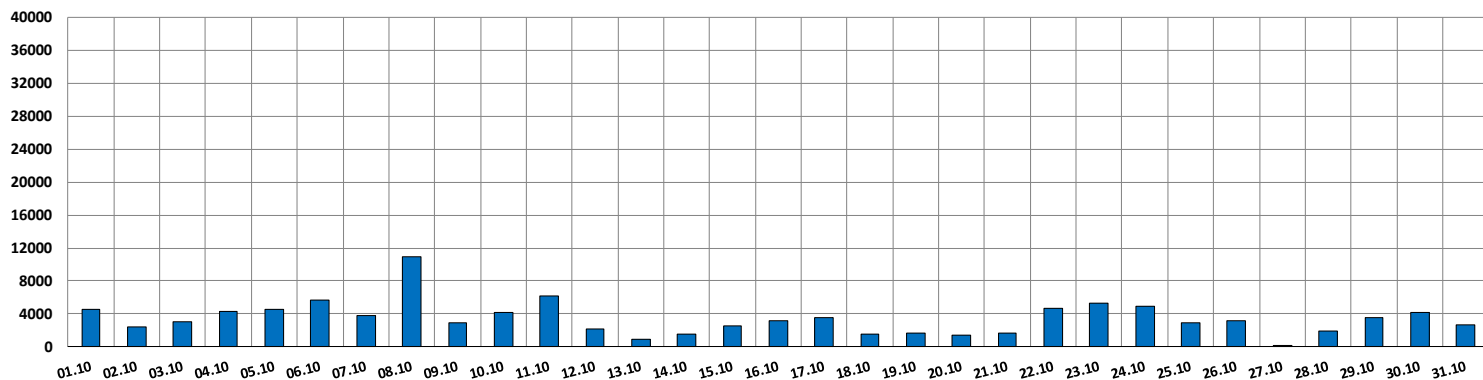
Auction Price [Euro/MWh] – Import

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	1.12	1.12	2.22	2.22	2.22	3.69	0.71	1.62	0.71	0.74	0.88	0.88	0.88	1.12	1.12	1.12	0.88	0.66	1.50	1.60	0.88	0.33	0.36	0.36	3.69
2	0.14	0.14	0.14	0.22	0.22	0.14	0.14	0.14	0.12	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.08	0.08	0.12	0.22
3	0.26	0.26	0.26	0.26	0.26	0.26	0.16	0.16	0.16	0.20	0.16	0.16	0.16	0.16	0.26	0.26	0.26	0.99	1.01	1.01	0.99	0.99	0.12	0.26	1.01
4	0.12	0.12	0.12	0.12	0.12	0.35	0.51	0.32	0.51	0.44	0.32	0.44	0.51	0.51	0.51	0.56	0.56	1.25	2.70	2.50	1.28	0.44	0.15	0.15	2.70
5	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.25	0.25	1.00	1.69	3.00	3.91	1.69	1.00	0.25	0.18	3.91
6	0.22	0.22	0.38	0.38	0.38	0.20	0.22	0.26	0.65	0.66	0.66	0.44	0.44	0.75	0.75	0.75	3.00	3.00	3.00	6.00	3.00	3.00	0.22	0.14	6.00
7	0.56	0.56	0.56	0.63	0.88	1.75	1.14	1.28	1.14	1.14	1.14	1.11	1.11	1.00	1.00	1.00	1.00	1.11	1.11	1.11	1.11	0.90	0.22	0.22	1.75
8	0.10	0.10	0.10	0.10	0.12	0.31	0.35	0.61	0.61	0.61	0.61	0.61	0.61	0.61	1.21	2.00	2.22	8.88	15.00	15.00	12.88	8.00	0.24	0.15	15.00
9	0.06	0.06	0.06	0.06	0.06	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.12	0.12	0.13	0.13	0.12	0.11	0.11	0.06	0.13
10	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.32	0.32	0.29	0.23	0.23	0.23	0.23	0.29	0.29	0.51	0.94	8.56	8.20	0.94	0.51	0.32	0.32	8.56
11	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.38	15.00	15.00	1.60	0.34	0.15	0.12	15.00
12	0.28	0.28	0.28	0.28	0.28	0.33	0.41	0.50	0.41	0.31	0.22	0.22	0.22	0.22	0.22	0.11	0.12	0.22	0.41	0.31	0.11	0.09	0.09	0.09	0.50
13	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.06	0.06	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.06	0.06	0.06	0.04	0.04	0.04	0.06
14	0.15	0.15	0.11	0.11	0.11	0.11	0.11	0.15	0.15	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.34	0.36	0.40	0.40	0.22	0.22	0.11	0.11	0.40
15	0.22	0.22	0.22	0.26	0.26	0.41	0.76	0.88	0.88	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.31	0.56	0.88	1.40	0.83	0.31	0.26	0.22	1.40
16	0.26	0.26	0.26	0.31	0.44	1.12	1.03	0.45	0.45	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.54	0.88	0.88	0.50	0.32	0.31	0.23	1.12
17	0.08	0.08	0.08	0.08	0.56	2.56	2.56	0.32	0.31	0.16	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.53	1.65	1.11	0.94	0.42	0.12	0.08	2.56
18	0.07	0.07	0.07	0.07	0.26	0.56	0.67	0.36	0.36	0.22	0.17	0.12	0.09	0.09	0.09	0.09	0.12	0.18	0.60	0.54	0.17	0.17	0.08	0.07	0.67
19	0.06	0.06	0.06	0.06	0.18	0.32	0.32	0.22	0.22	0.15	0.06	0.05	0.05	0.05	0.05	0.05	0.12	0.31	0.44	0.32	0.31	0.25	0.15	0.06	0.44
20	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.10	0.17	0.17	0.05	0.05	0.05	0.02	0.17
21	0.15	0.21	0.21	0.21	0.21	0.44	0.25	0.56	0.15	0.15	0.15	0.10	0.10	0.10	0.06	0.06	0.06	0.55	0.85	0.66	0.15	0.12	0.10	0.10	0.85
22	0.18	0.18	0.18	0.18	0.18	1.01	2.00	1.55	0.55	0.31	0.31	0.22	0.20	0.20	0.20	0.22	0.22	0.88	3.40	2.88	1.00	0.32	0.22	0.20	3.40
23	0.17	0.17	0.17	0.17	0.33	0.66	1.26	1.26	0.66	0.56	0.44	0.25	0.25	0.25	0.25	0.36	0.66	1.66	3.00	2.15	1.86	0.51	0.25	0.17	3.00
24	0.12	0.12	0.12	0.12	0.12	0.56	1.00	1.17	0.88	0.44	0.17	0.12	0.12	0.12	0.12	0.12	0.56	1.66	3.00	3.00	1.66	0.56	0.17	0.12	3.00
25	0.11	0.11	0.11	0.17	0.18	1.10	0.85	0.50	0.50	0.39	0.21	0.12	0.17	0.17	0.17	0.17	0.18	0.40	1.56	1.55	0.54	0.12	0.10	0.10	1.56
26	0.12	0.12	0.12	0.12	0.36	0.39	0.88	0.56	0.39	0.21	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.66	1.10	1.10	0.44	0.09	0.06	0.06	1.10
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	0.06	0.06	0.06	0.08	0.18	0.53	0.66	0.44	0.30	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.37	0.60	0.80	0.80	0.30	0.11	0.03	0.03	0.80
29	0.12	0.12	0.12	0.12	0.20	0.44	0.76	0.83	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.76	3.12	3.24	1.83	0.27	0.17	0.03	0.03	3.24
30	0.03	0.03	0.03	0.03	0.03	0.08	0.09	0.18	0.09	0.10	0.10	0.08	0.14	0.14	0.21	0.21	1.60	3.50	3.50	0.85	0.27	0.09	0.02	0.02	3.50
31	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06	0.06	0.01	0.01	0.02	0.06

Serbia

October 2019

Congestion Income RO



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.10	9170	4585
02.10	4770	2385
03.10	6092	3046
04.10	8496	4248
05.10	8990	4495
06.10	11268	5634
07.10	7590	3795
08.10	21777	10888
09.10	5844	2922
10.10	8480	4240
11.10	12307	6154
12.10	4294	2147
13.10	1915	957
14.10	3019	1509
15.10	5206	2603
16.10	6426	3213
17.10	7183	3592
18.10	3151	1575
19.10	3272	1636
20.10	2899	1450
21.10	3423	1711
22.10	9244	4622
23.10	10681	5341
24.10	9900	4950
25.10	5917	2958
26.10	6366	3183
27.10	447	223
28.10	3799	1899
29.10	7173	3586
30.10	8310	4155
31.10	5440	2720
Total	212847	106424

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
48523	164324	45179	158926
212847		204105	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
8743	4371



Market for Allocation of Cross-Border Capacities

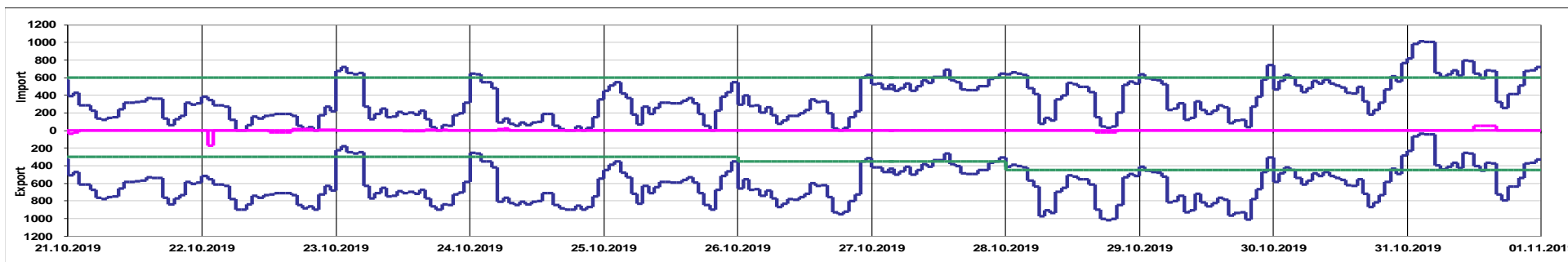
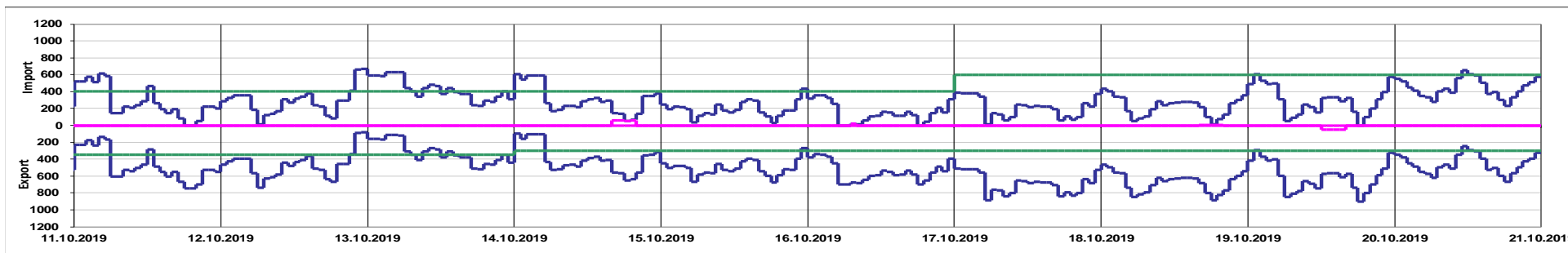
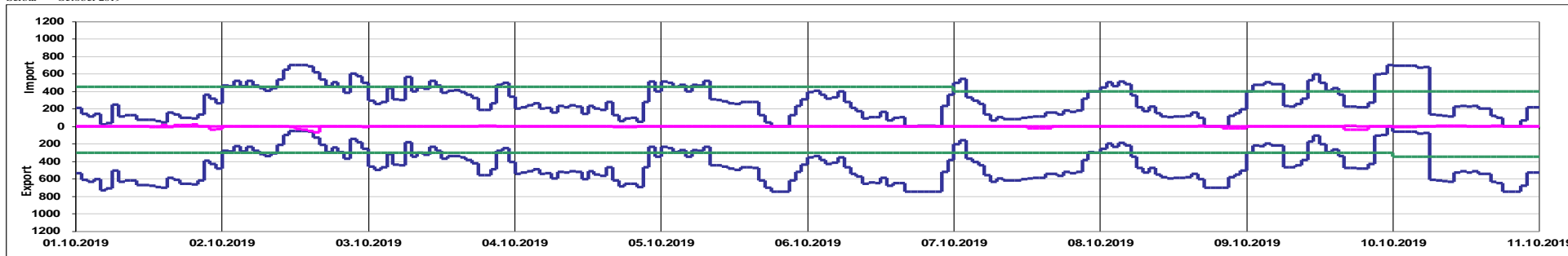


romania2019.eu
Președinția României la Consiliul Uniunii Europene

Intraday Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist

Serbia October 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 – Serbian border

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia October 2019

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	25	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
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	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	0.10	0.00	0.00	0.00	0.00	0.00	0.10
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
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
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	0.10	0.00	-	0.00	0.00	0.00	0.00	0.10
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
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	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

October 2019

Statistics on Monthly Auction

October 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	
	Number of Capacity Holders	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Number of Bids	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	
Hungary import	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	
	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	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
Bulgaria 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	
	Number of Capacity Holders	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 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	
Bulgaria import	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	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 Bids	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
Serbia export	Number of Capacity Traders	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	
	Number of Capacity Holders	6	6	6	6	6	6	6	6	6	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	
	Number of Bids	46	46	46	46	46	46	46	46	46	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	48	48	50	50	50
Serbia import	Number of Capacity Traders	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Number of Capacity Holders	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	59	59	59	59	59	59	56	56	56	56	56	56	56	56	56	56	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
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		
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	Number of Bids	-	-	-	-	-	-	-	-	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
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		
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	Number of Bids	-	-	-	-	-	-	-	-	-	-	33	33	33	33	33	33	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

October 2019	Maximum	Minimum
Number of Capacity Traders	28	4
Number of Capacity Holders	18	3
Number of Bids	109	14

Statistics on Daily Auctions

October 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	8	9	8	8	8	6	7	8	8	8	8	8	8	8	8	8	8	8	8	7	6	8	8	8	8	8	8	7	8	8	8	8
	Maximum Number of Capacity Holders	7	6	6	7	5	6	6	7	6	7	7	6	6	6	7	6	7	7	6	5	5	7	7	6	7	6	6	6	7	6	6	
	Maximum Number of Bids	24	30	28	25	24	15	18	23	26	30	28	31	24	23	27	28	23	22	26	26	22	26	25	27	25	27	18	25	23	26	28	
Serbia Import	Maximum Number of Capacity Traders	8	7	9	9	9	6	8	8	8	10	9	9	8	8	9	9	9	9	10	7	6	11	11	10	9	11	7	8	11	10	8	
	Maximum Number of Capacity Holders	6	6	7	7	6	5	5	6	7	7	8	7	7	6	7	7	8	8	8	7	5	7	9	8	8	8	7	7	9	8	8	
	Maximum Number of Bids	36	24	36	37	36	23	24	31	26	31	36	28	21	24	36	37	35	35	38	26	27	40	44	39	31	37	16	28	33	34	23	
Bulgaria Export	Maximum Number of Capacity Traders	13	12	14	14	13	11	11	12	13	14	13	13	9	9	13	13	13	13	13	10	10	13	14	16	13	15	8	12	14	13	13	
	Maximum Number of Capacity Holders	11	10	11	11	11	9	10	12	12	12	12	12	8	9	12	12	11	12	12	9	9	11	12	13	11	13	6	11	14	12	12	
	Maximum Number of Bids	23	22	25	25	26	18	19	20	26	28	23	24	20	20	29	28	26	26	27	20	19	25	24	27	25	23	13	21	23	26	27	
Bulgaria Import	Maximum Number of Capacity Traders	13	12	14	14	13	12	13	15	14	15	14	15	11	9	15	14	15	14	13	11	10	14	14	16	15	15	9	13	15	15	15	
	Maximum Number of Capacity Holders	9	9	12	12	11	10	11	11	12	12	10	12	10	9	11	10	10	12	10	9	8	12	11	12	12	11	7	9	13	13	13	
	Maximum Number of Bids	33	26	31	34	34	28	33	33	29	33	36	33	24	26	33	32	31	31	28	26	22	29	25	29	30	35	24	32	30	32	25	

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

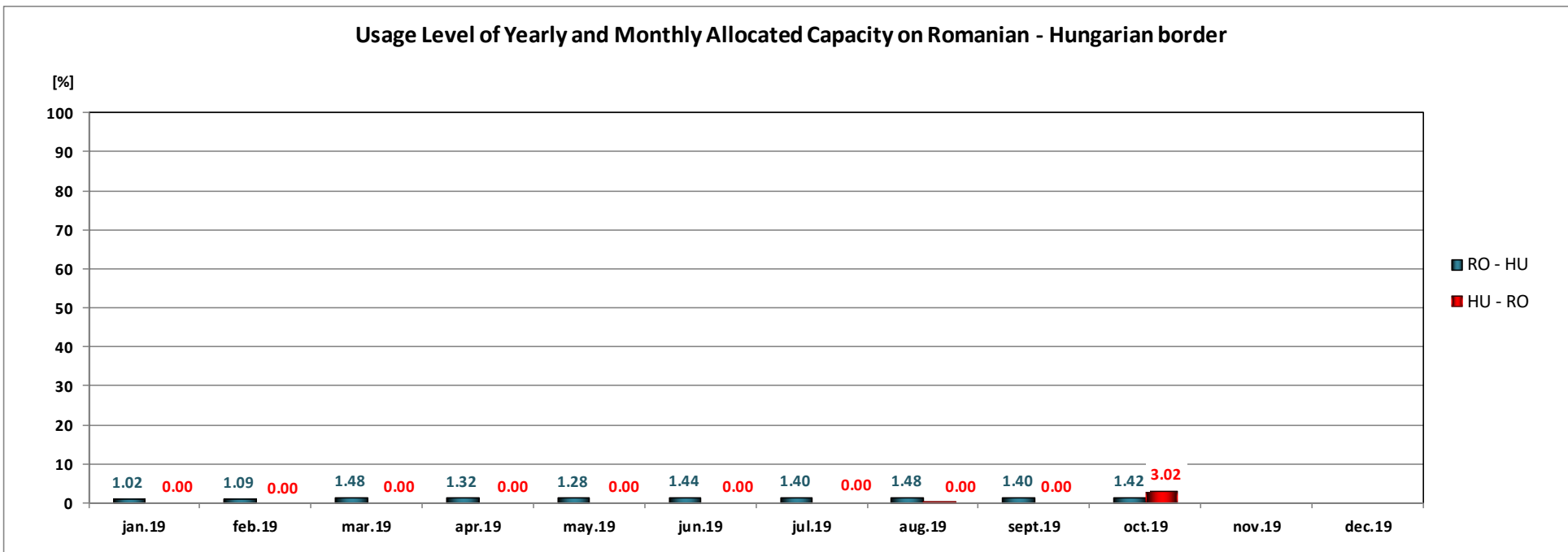
Statistics on Intraday Auctions

October 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	3	1	2	0	0	2	2	2	2	1	0	0	2	2	1	2	2	0	0	1	1	2	2	0	1	0	2	2	1	1
	Maximum Number of Capacity Holders	1	3	1	2	-	-	2	2	2	2	1	-	-	2	2	1	2	2	-	-	1	1	2	2	-	1	-	2	2	1	1
Hungary Import	Maximum Number of Capacity Traders	3	2	2	3	0	0	3	2	2	2	1	0	1	3	2	3	2	2	0	0	2	2	2	2	2	1	0	2	2	1	2
	Maximum Number of Capacity Holders	3	2	2	3	-	-	3	2	2	2	1	-	1	3	2	3	2	2	-	-	2	2	2	2	2	1	-	2	2	1	2
Serbia Export	Maximum Number of Capacity Traders	1	2	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	0	0	0
	Maximum Number of Capacity Holders	1	2	0	1	-	-	1	1	1	1	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-	-	-	1	-	-	-
Serbia Import	Maximum Number of Capacity Traders	1	0	1	0	0	0	1	1	1	1	0	0	0	2	0	1	0	1	0	0	0	2	1	1	0	0	0	0	0	0	1
	Maximum Number of Capacity Holders	1	-	1	-	-	-	1	1	1	1	-	-	-	2	-	1	-	1	-	-	-	2	1	1	-	-	-	-	-	-	1

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

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity



CET

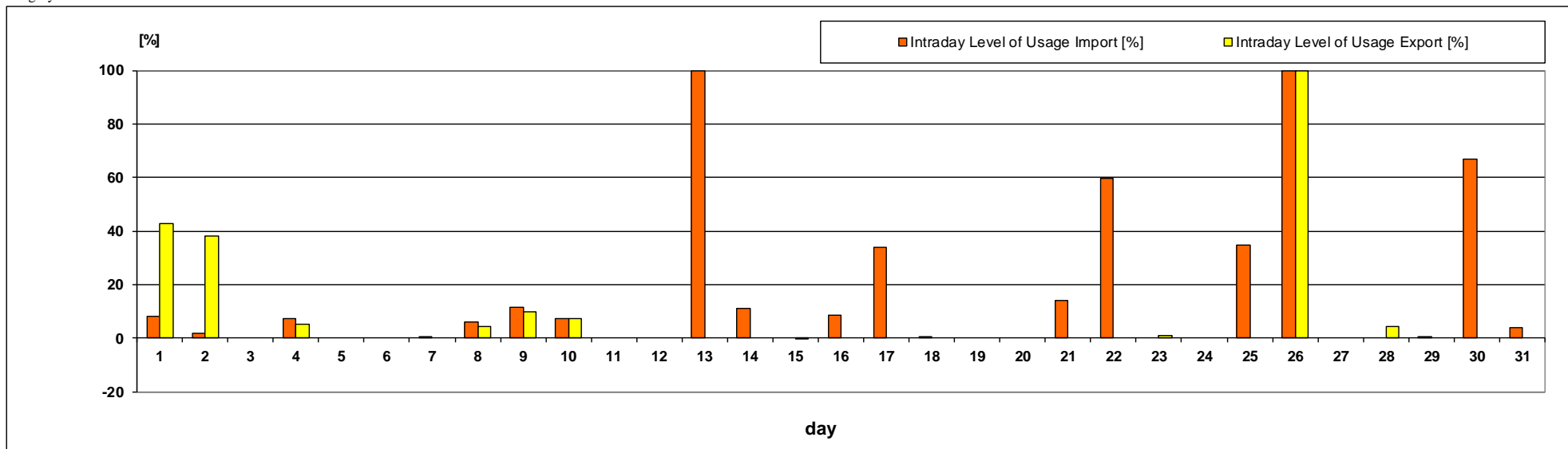
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions after returns. From the beginning of the year, the average values (arithmetic) of usage level are: 1.33 % on export direction and 0.3 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary

October 2019



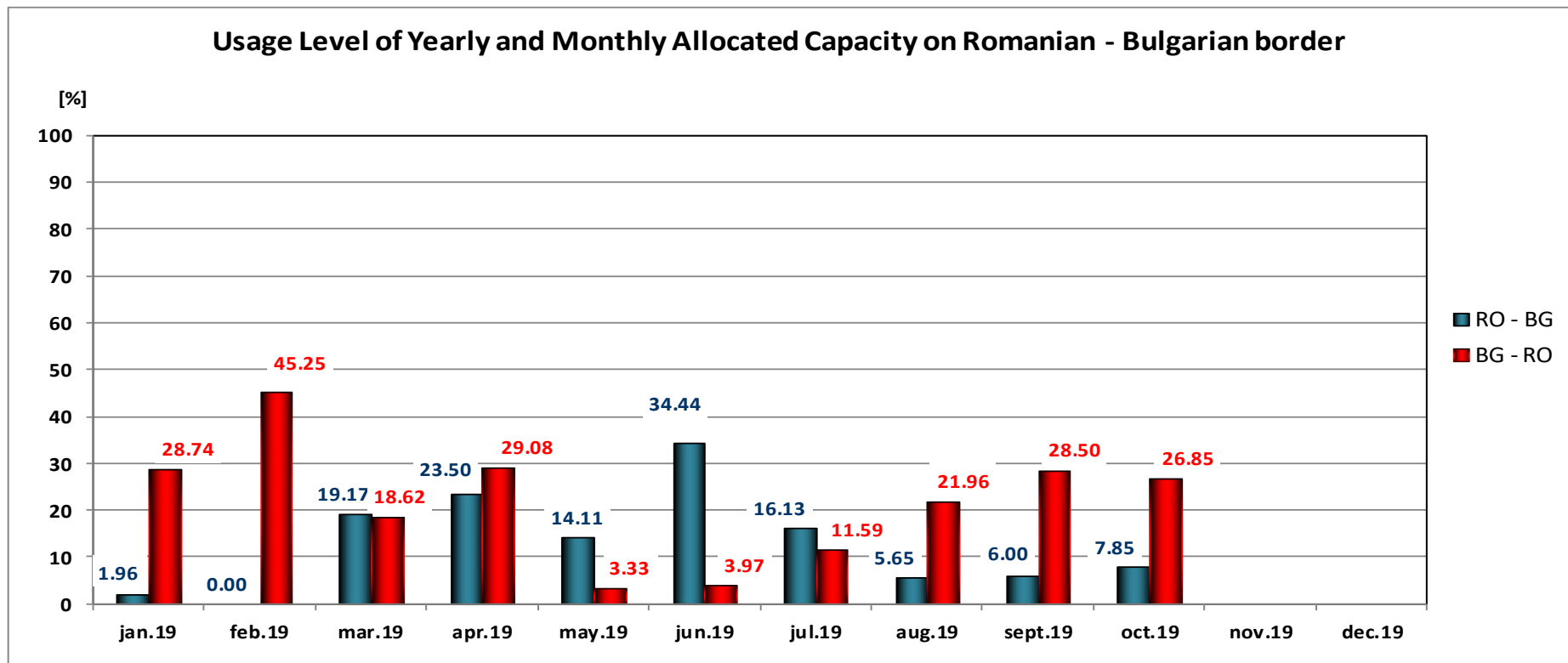
Intraday Level of Usage [%]

October 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	8.23	1.79	0.00	7.38	-	-	0.14	5.86	11.64	7.17	0.00	-	100.00	11.21	0.00	8.32	33.73	0.70	-	-	14.03	59.54	0.00	0.00	34.68	100.00	-	0.00	0.49	67.01	3.74
Export	42.58	38.24	0.00	5.08	-	-	0.00	4.44	9.63	7.11	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.76	0.00	-	100.00	-	4.44	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 14.93 [%]
- Export 8.53 [%]

Usage Level of Allocated Capacity



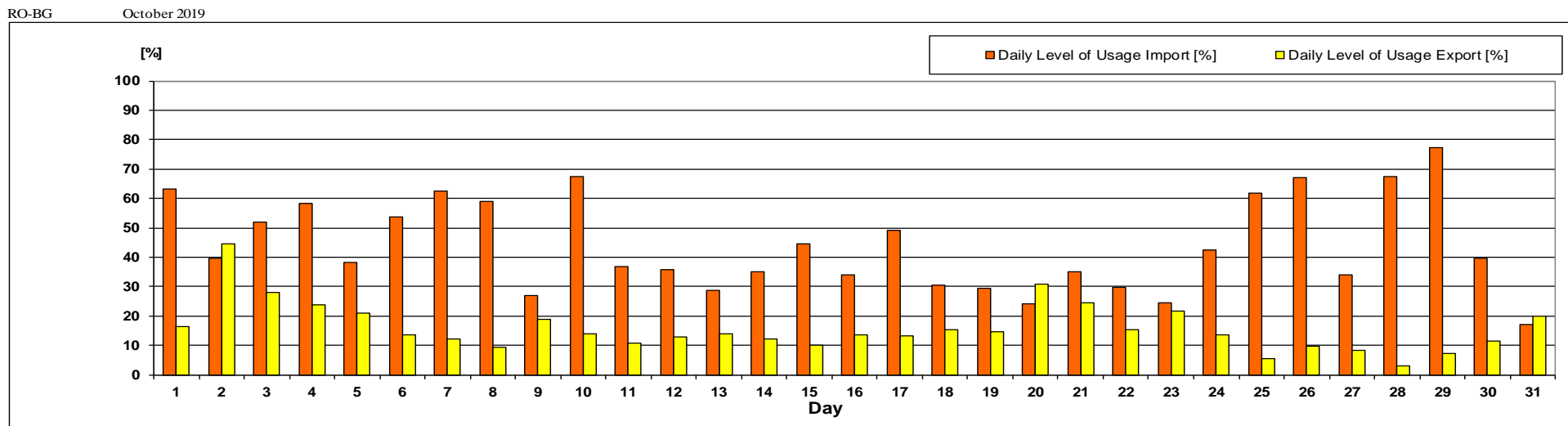
CET

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: 12.88 % on export direction and 21.79 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

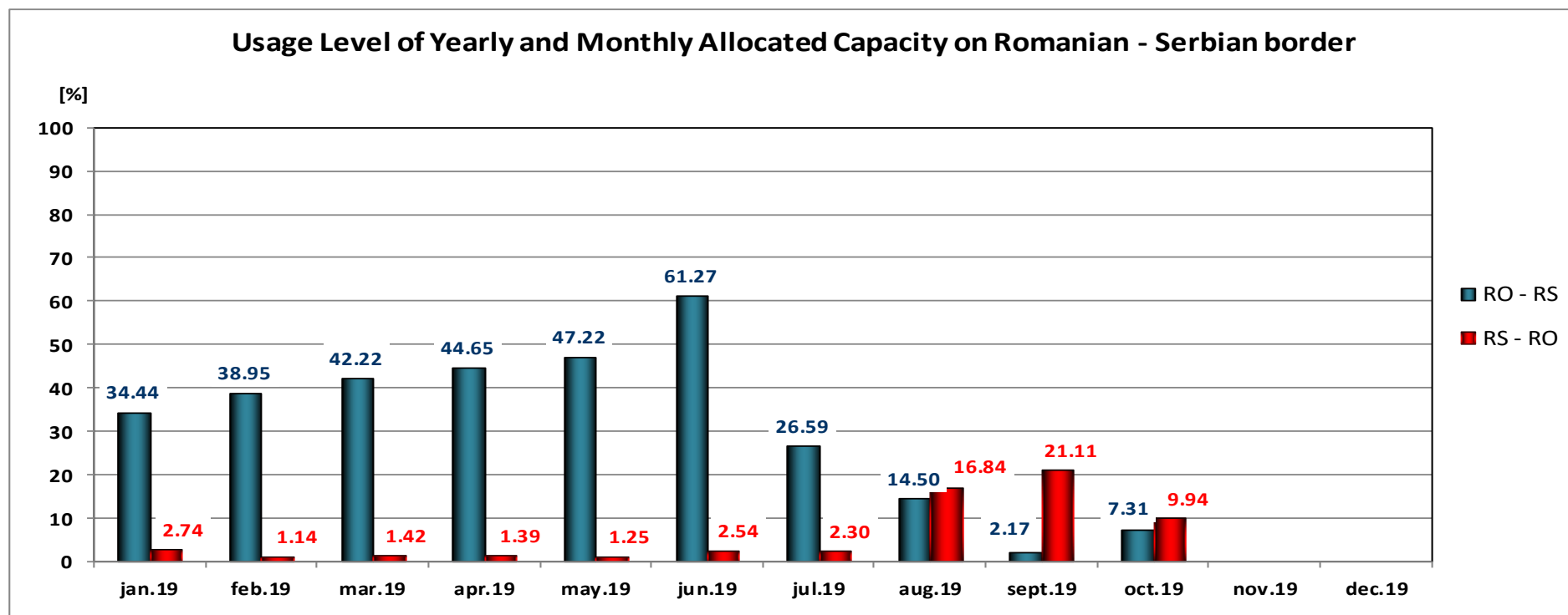


Daily Level of Usage [%]																															
October 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	63.21	39.69	51.94	58.14	38.29	53.58	62.48	58.93	26.97	67.47	36.84	35.76	28.81	35.09	44.60	34.12	49.17	30.55	29.50	24.04	35.01	29.66	24.47	42.52	61.86	66.95	33.87	67.44	77.38	39.69	17.12
Export	16.38	44.37	27.85	23.86	21.09	13.50	11.99	9.19	18.69	13.75	10.76	12.97	13.79	12.11	9.99	13.63	13.13	15.25	14.44	30.97	24.36	15.38	21.55	13.39	5.47	9.78	8.30	3.14	7.19	11.39	20.05

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 43.48 [%]
- Export 15.48 [%]

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.

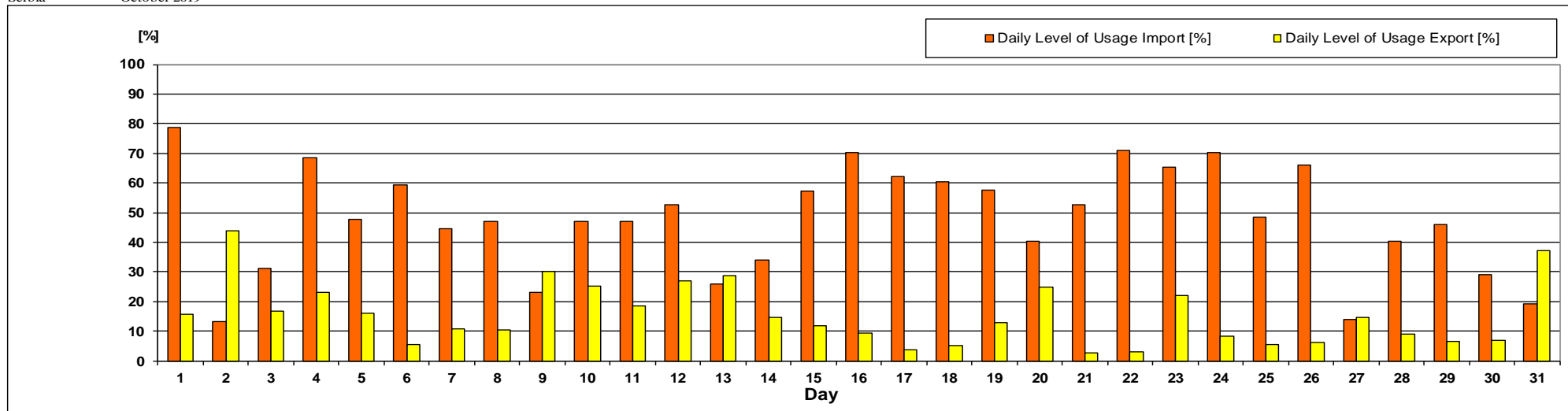
From the beginning of the year, the average values (arithmetic) of usage level are: 31.93 % on export direction and 6.07 % on import direction.

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity

Serbia

October 2019



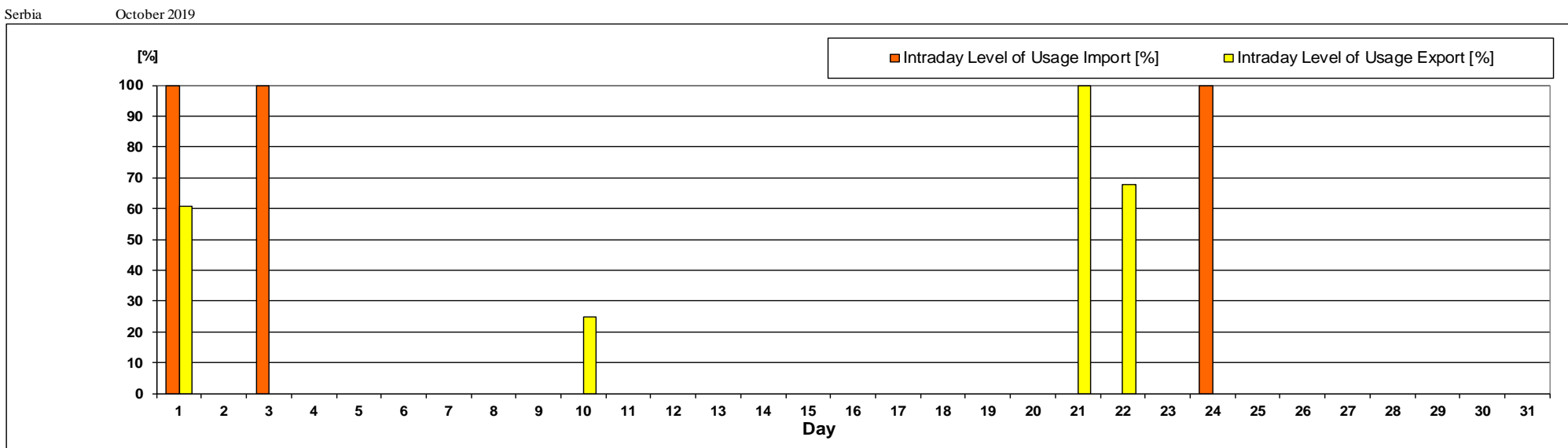
Daily Level of Usage [%]

October 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	78.58	13.26	31.19	68.43	47.63	59.38	44.55	46.93	22.94	46.92	47.04	52.57	25.83	33.94	57.39	70.33	62.17	60.27	57.60	40.35	52.69	70.98	65.28	70.42	48.56	65.96	14.05	40.42	45.81	29.07	19.12
Export	15.82	43.95	16.71	23.16	16.07	5.60	10.89	10.25	30.11	25.30	18.55	27.09	28.53	14.53	11.93	9.31	3.57	5.10	12.92	24.98	2.74	3.02	22.00	8.40	5.47	6.00	14.72	9.05	6.40	6.86	37.25

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 47.75 [%]
- Export 14.69 [%]

Usage Level of Intraday Allocated Capacity



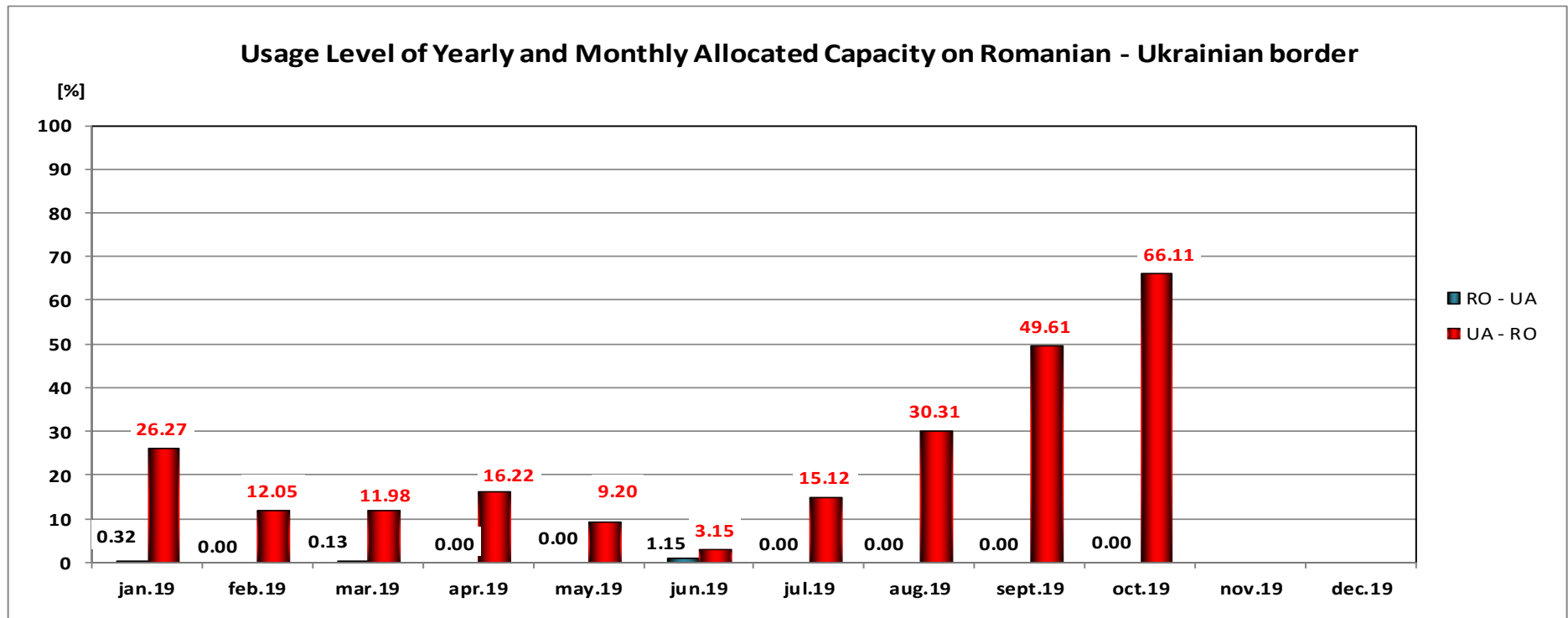
Intraday Level of Usage [%]

October 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	-	100.00	-	-	-	0.00	0.00	0.00	0.00	-	-	-	0.00	-	0.00	-	0.00	-	-	-	0.00	0.00	100.00	-	-	-	-	-	-	0.00
Export	60.78	0.00	-	0.00	-	-	0.00	0.00	0.00	25.00	-	-	-	-	-	-	-	-	0.00	-	100.00	67.87	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 16.17 [%]
- Export 22.82 [%]

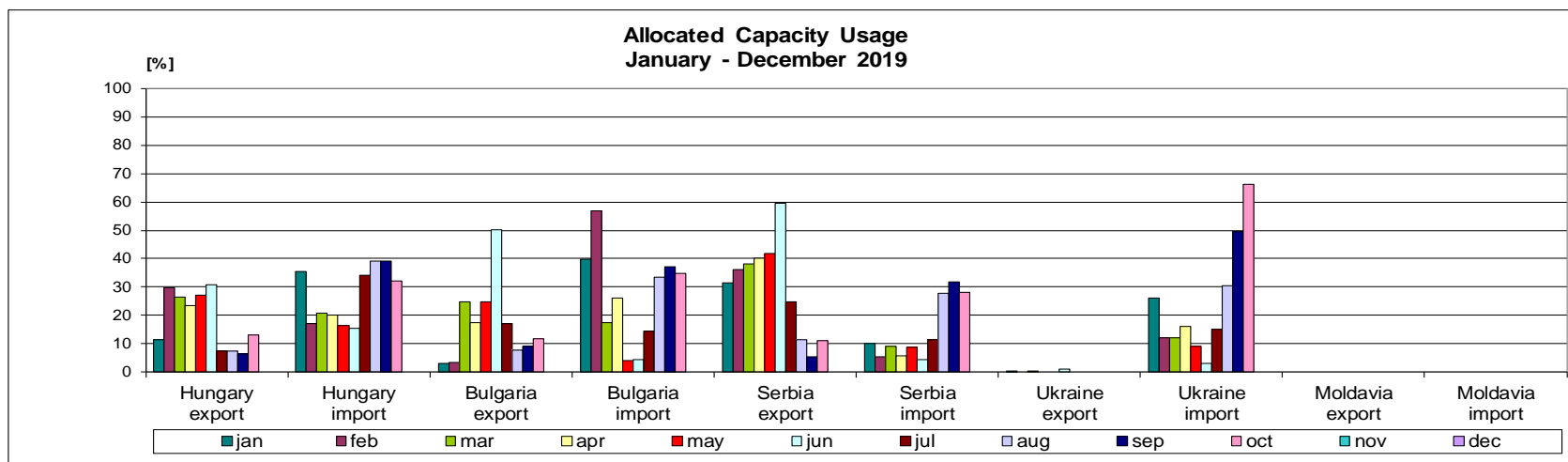
Usage Level of Allocated Capacity



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: 0.18 % on export direction and 24 % on import direction.



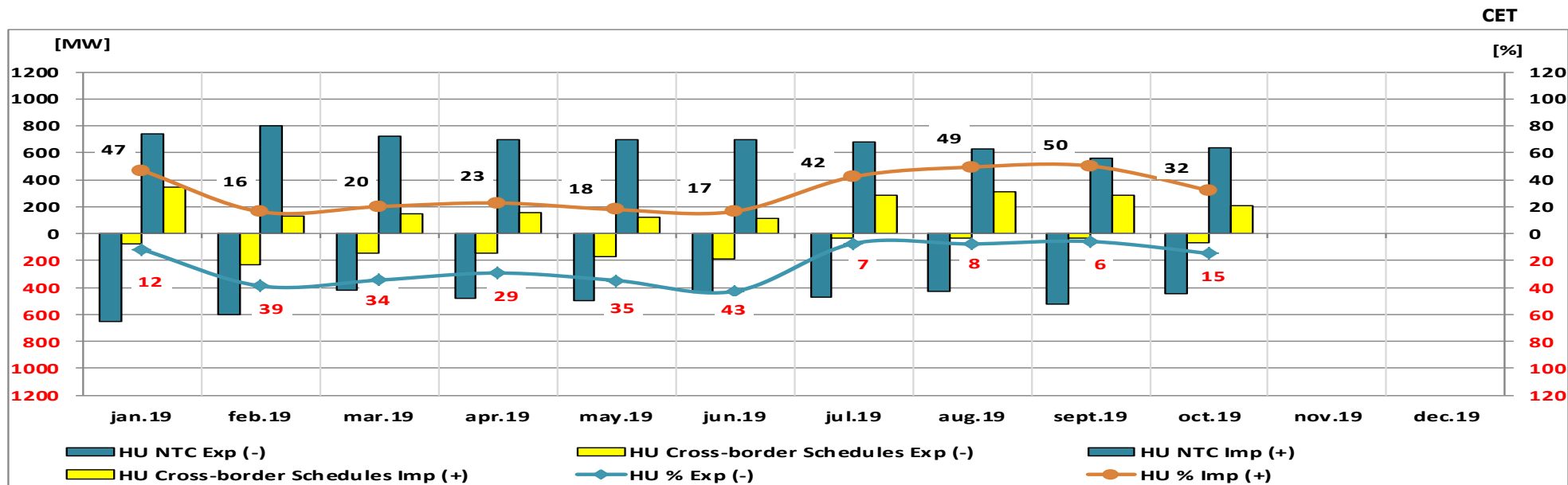
The level of usage of total capacity rights on one border and direction represent the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the total capacity rights.

[%]	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	7.36	39.32	7.79	33.64	11.36	27.96	0.00	30.31	-	-
sep	6.54	39.03	9.15	37.07	5.46	31.92	-	49.61	-	-
oct	13.26	32.12	11.88	34.85	11.17	28.25	0.00	66.11	-	-
nov										
dec										
average	18.38	26.98	17.02	26.82	30.02	14.36	0.18	24.00	-	-

Type B

In October 2019, it was noticed a low level of capacity usage. On export direction and the highest level of usage was on Hungarian border and on the import direction the highest level of usage was on Ukraine border.

Usage Level of NTC on Romanian – Hungarian border

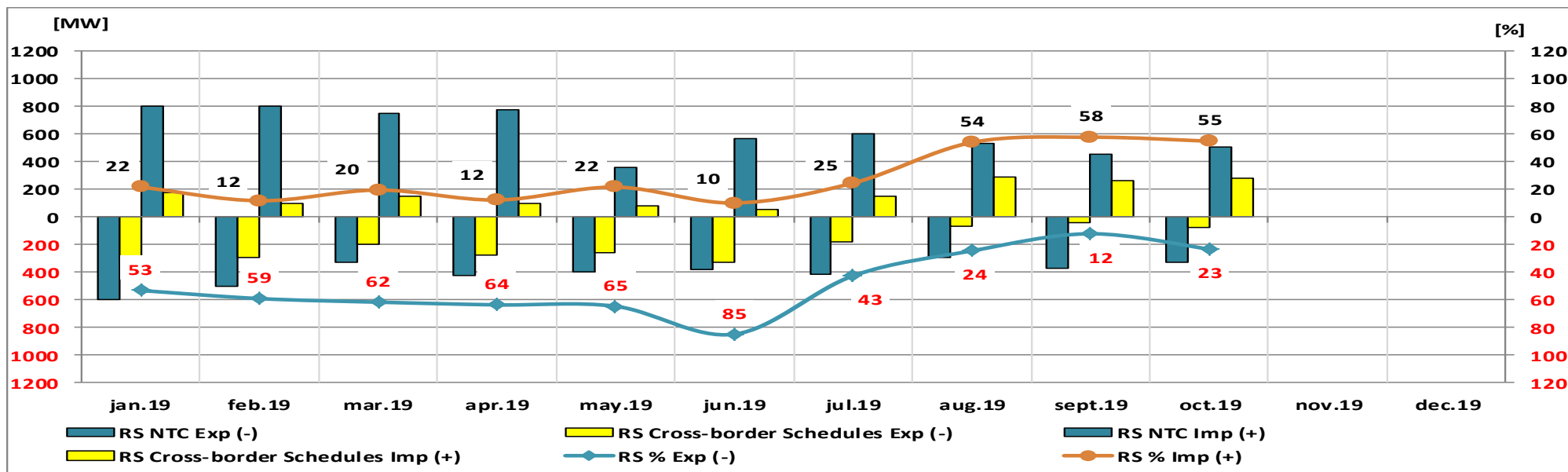


Hungary (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
HU NTC Exp (-)	-650	-600	-423	-482	-500	-437	-468	-429	-527	-447		
HU Cross-border Schedules Exp (-)	-76	-233	-146	-141	-174	-187	-34	-33	-30	-66		
HU NTC Imp (+)	745	800	725	700	700	700	684	634	560	636		
HU Cross-border Schedules Imp (+)	350	130	146	160	125	116	289	314	282	204		

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: 22.71 % on export direction and 31.47 % on import direction.

Usage Level of NTC on Romanian – Serbian border

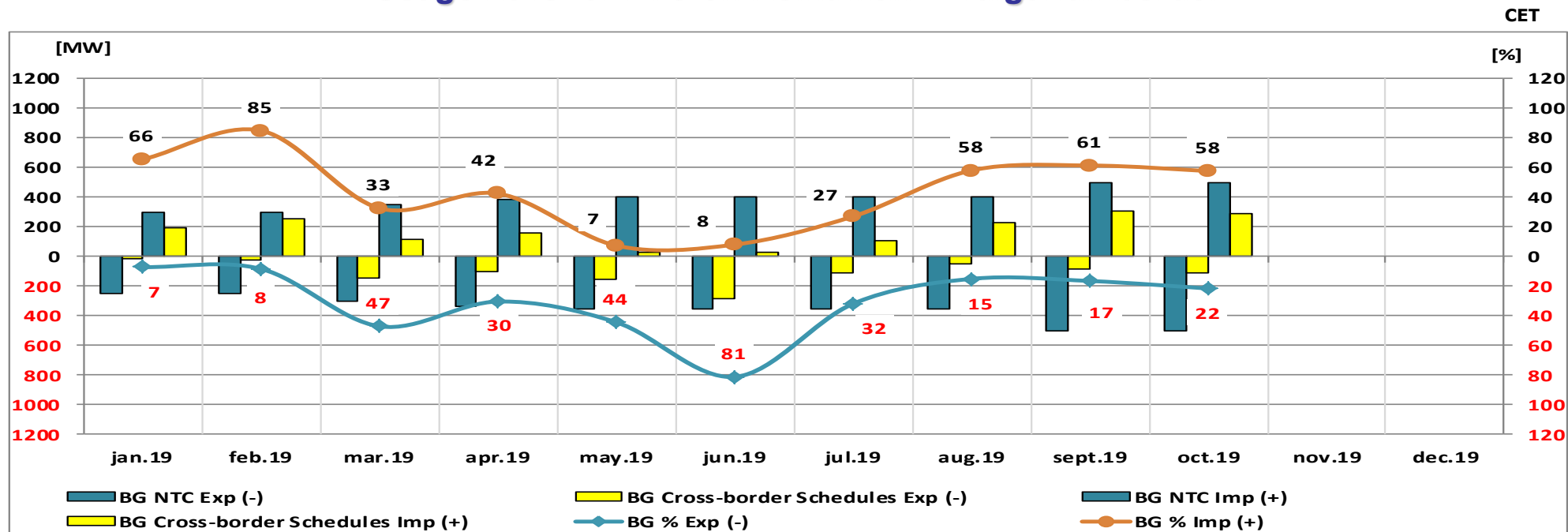
CET



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	-289	-372	-329		
RS Cross-border Schedules Exp (-)	-319	-295	-200	-271	-258	-325	-177	-71	-45	-77		
RS NTC Imp (+)	800	800	753	773	360	567	603	531	452	507		
RS Cross-border Schedules Imp (+)	174	94	147	95	78	58	148	286	261	278		

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: 48.92% on export direction and 28.84% on import direction.

Usage Level of NTC on Romanian – Bulgarian border

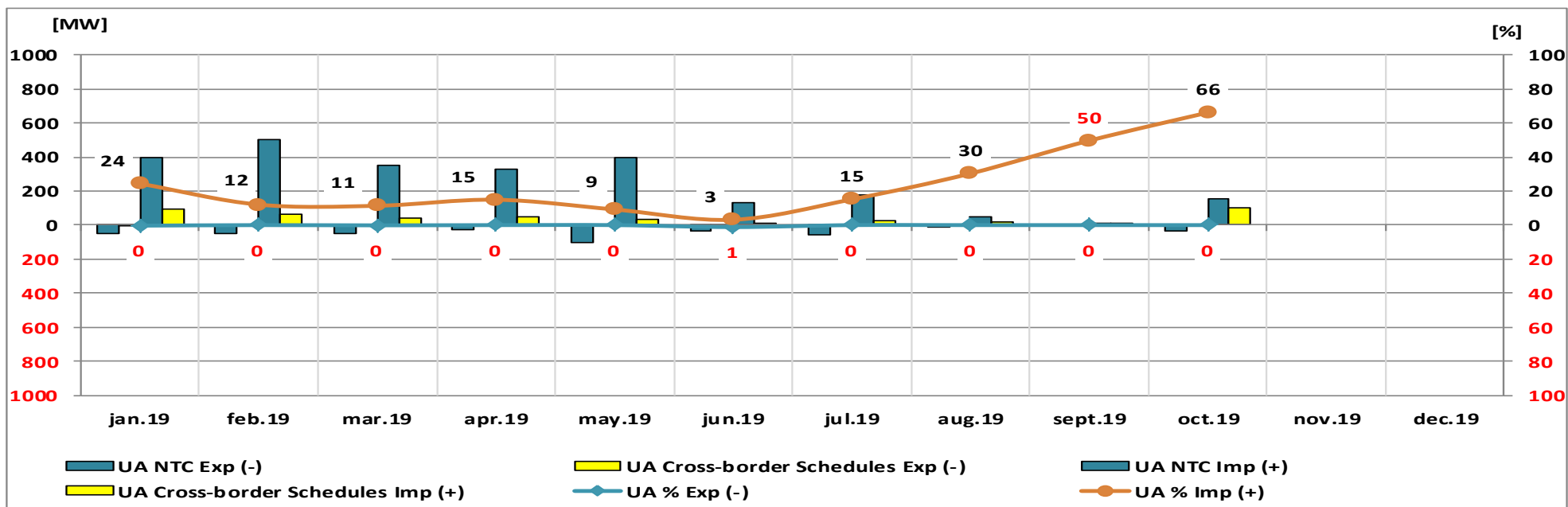


Bulgaria (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
BG NTC Exp (-)	-250	-250	-300	-333	-350	-350	-350	-350	-500	-500		
BG Cross-border Schedules Exp (-)	-18	-21	-142	-101	-155	-284	-112	-53	-83	-108		
BG NTC Imp (+)	300	300	350	383	400	400	400	400	500	500		
BG Cross-border Schedules Imp (+)	197	255	114	163	29	32	108	232	307	288		

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: 30.38 % on export direction and 44.49 % on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



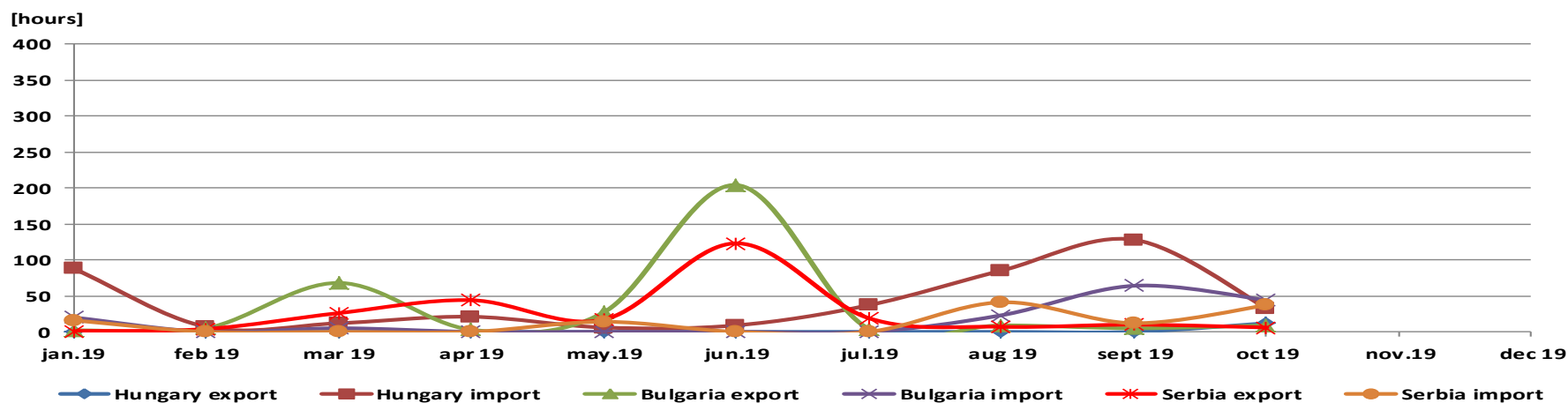
Ukraine (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
UA NTC Exp (-)	-50	-50	-50	-25	-100	-33	-58	-13	0	-34		
UA Cross-border Schedules Exp (-)	0	0	0	0	0	0	0	0	0	0		
UA NTC Imp (+)	400	500	352	332	400	133	181	52	5	155		
UA Cross-border Schedules Imp (+)	97	60	40	50	37	4	27	16	2	102		

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: 0.18% on export direction and 23.62% 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	0	0	12		
Hungary import	88	7	12	21	6	9	37	85	128	33		
Bulgaria export	2	5	68	3	27	204	4	9	5	9		
Bulgaria import	20	0	5	0	0	0	0	23	64	44		
Serbia export	1	4	26	44	17	123	19	7	10	6		
Serbia import	16	0	0	0	14	0	0	41	12	37		

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

October 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	23.75	55.00	1491	-	-	-	65.29	93.33	4824	31.37	59.82	1540
Hungary export	21.43	53.43	1261	43.44	75.08	2526	-	-	-	63.95	97.92	5025	18.98	50.40	1089
Bulgaria import	26.67	69.33	1904	21.28	53.55	1227	27.53	63.95	1652	-	-	-	18.02	52.95	1144
Bulgaria export	13.42	39.60	990	26.67	51.67	1272	31.80	76.64	2104	-	-	-	21.11	51.89	1108
Serbia import	24.50	64.00	1672	27.63	65.62	1914	37.63	71.66	2193	47.44	95.24	3717	21.00	53.04	1308
Serbia export	33.50	68.50	2027	36.32	63.32	1969	37.67	76.09	2437	51.58	95.33	3732	19.81	51.68	1294
Ukraine import	-	-	-	38.75	94.38	3245	-	-	-	-	-	-	38.75	94.38	3245
Ukraine export	-	-	-	50.00	100.00	3800	-	-	-	-	-	-	50.00	100.00	3800
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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