



Societate Administrată în sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

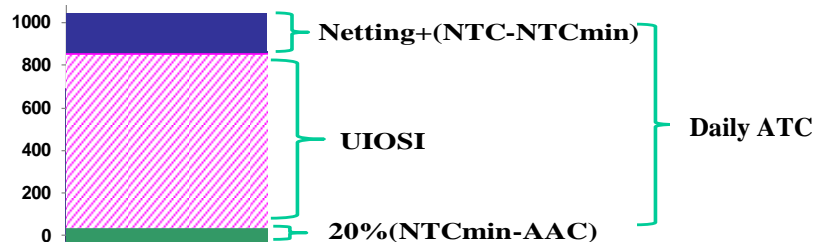
March 2019

- 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 March 2019 were held as:
 - ✓ import Hungary*: 01 – 31.03.2019;
 - ✓ export Hungary: 01 – 10.03.2019; 11 – 22.03.2019; 23 – 24.03.2019; 25 – 29.03.2019; 30 – 31.03.2019;
 - ✓ import/export Bulgaria*: 01 – 31.03.2019;
 - ✓ import Serbia: 01 – 24.03.2019; 25 – 29.03.2019; 30 – 31.03.2019;
 - ✓ export Serbia: 01 – 10.03.2019; 11.03.2019; 12 – 17.03.2019; 18 – 22.03.2019; 23 – 24.03.2019; 25 – 29.03.2019; 30 – 31.03.2019;
 - ✓ import Ukraine: 01 – 17.03.2019; 18 – 22.03.2019; 23 – 24.03.2019; 25 – 29.03.2019; 30 – 31.03.2019;
 - ✓ export Ukraine: 01.01 – 31.03.2019.
- In March 2019 there were no auctions held on Moldavian border.
- Due to lack of request from participants, on import direction from Ukraine there was capacity not allocated at monthly auction as it follows:
 - ✓ 29 MW, during the periods 01 – 17.03.2019 and 23 – 24.03.2019.

* 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 March 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Hungary export										
01 - 10 March 2019	2.81	550	450	100	350	34	114	1430	114	430
11 - 22 March 2019	2.81	500	400	50	350	34	74	1430	70	386
23 - 24 March 2019	2.81	550	450	100	350	34	114	1430	114	430
25 - 29 March 2019	2.81	500	400	50	350	34	74	1430	70	386
30 - 31 March 2019	2.81	550	450	100	350	34	114	1430	114	430
Hungary import										
01 - 03 March 2019	0.49	800	700	350	350	0	200	1551	199	549
04 - 05 March 2019	0.49	900	800	450	350	0	200	1551	199	549
06 - 08 March 2019	0.49	850	750	400	350	0	200	1551	199	549
09 - 17 March 2019	0.49	900	800	450	350	0	200	1551	199	549
18 - 24 March 2019	0.49	800	700	350	350	0	200	1551	199	549
25 - 29 March 2019	0.49	700	600	250	350	0	200	1551	199	549
30 - 31 March 2019	0.49	800	700	350	350	0	200	1551	199	549
Bulgaria export										
01 - 31 March 2019	0.46	400	300	151	149	20	140	1024	140	269
Bulgaria import										
01 - 31 March 2019	2.09	450	350	200	150	3	163	1120	163	310

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

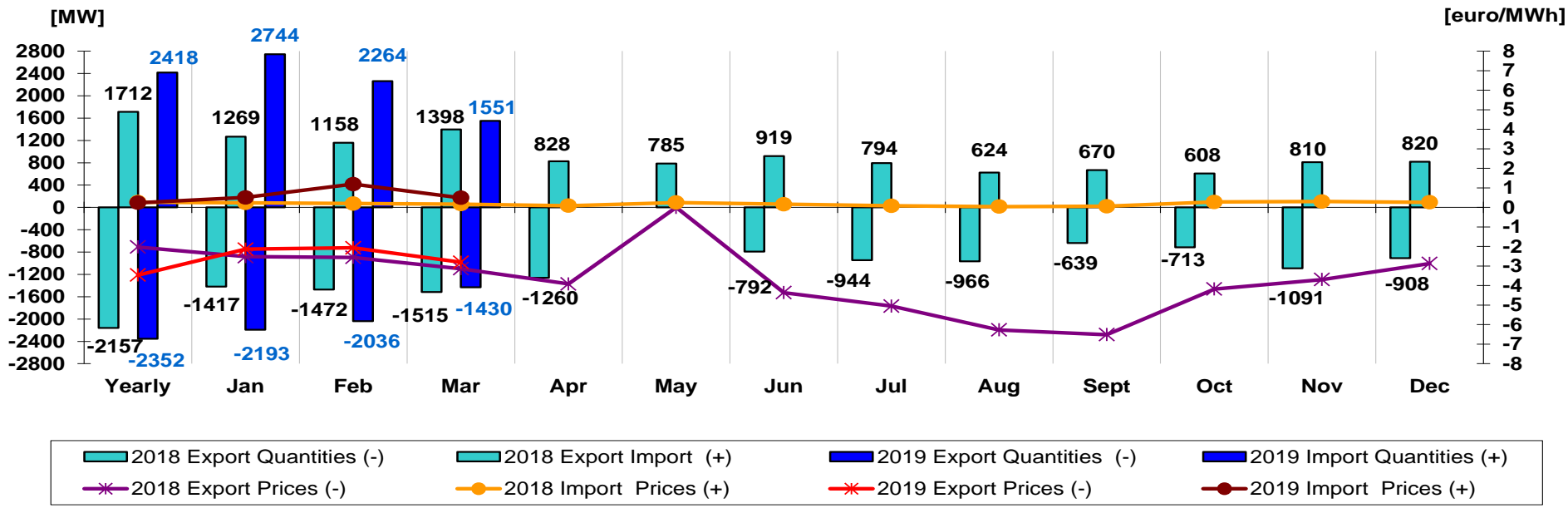
* final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.

Monthly auction Results of 01 – 31 March 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 10 March 2019	1.44	500	400	200	200	-	200	566	200	400
11 March 2019	1.86	350	250	50	200	-	50	342	50	250
12 - 17 March 2019	1.55	450	350	150	200	-	150	527	150	350
18 - 22 March 2019	2.14	350	250	50	200	-	50	342	50	250
23 - 24 March 2019	1.69	400	300	100	200	-	100	515	100	300
25 - 29 March 2019	2.05	350	250	50	200	-	50	347	50	250
30 - 31 March 2019	1.69	400	300	100	200	-	100	467	100	300
Serbia import										
01 - 24 March 2019	0.01	900	800	600	200	-	600	959	600	800
25 - 29 March 2019	0.03	600	500	300	200	-	300	654	300	500
30 - 31 March 2019	0.01	900	800	600	200	-	600	729	600	800
Ukraine export										
01 - 31 March 2019	0.22	150	50	50	-	-	50	111	50	50
Ukraine import										
01 - 17 March 2019	0.00	600	500	500	-	-	500	471	471	471
18 - 22 March 2019	0.21	250	150	150	-	-	150	276	150	150
23 - 24 March 2019	0.00	550	450	450	-	-	450	421	421	421
25 - 29 March 2019	0.22	150	50	50	-	-	50	106	50	50
30 - 31 March 2019	0.08	350	250	250	-	-	250	331	250	250
Moldavia export										
01 - 31 March 2019	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 31 March 2019										
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 31 March 2019										
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 31 March 2019										
RO_Cioara	-	-	-	-	-	-	-	-	-	-

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

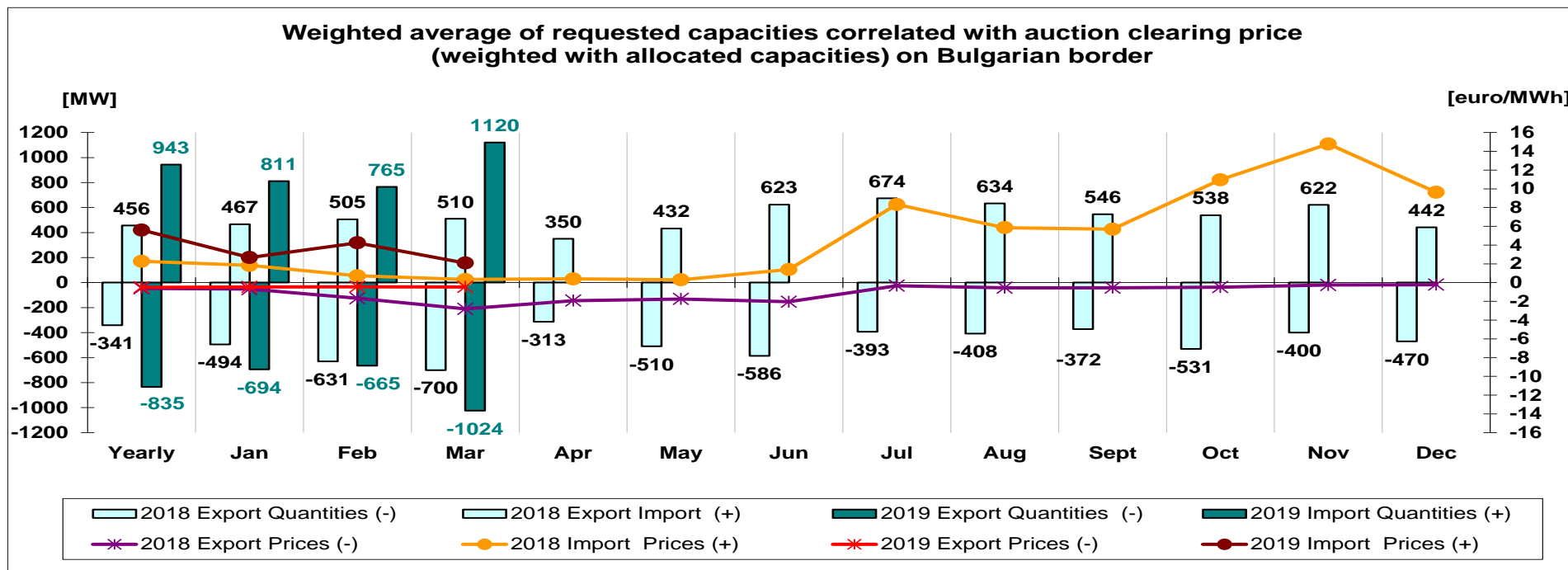
Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Hungarian border



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
Hungary export	3.46	2.14	2.07	2.81									
Hungary import	0.24	0.51	1.19	0.49									

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 the similar month of 2018, in March 2019 the auction price decreased on export direction, while offered capacity and capacity request were lower. On import direction, monthly auction price maintained low but was higher than the price from March 2018.

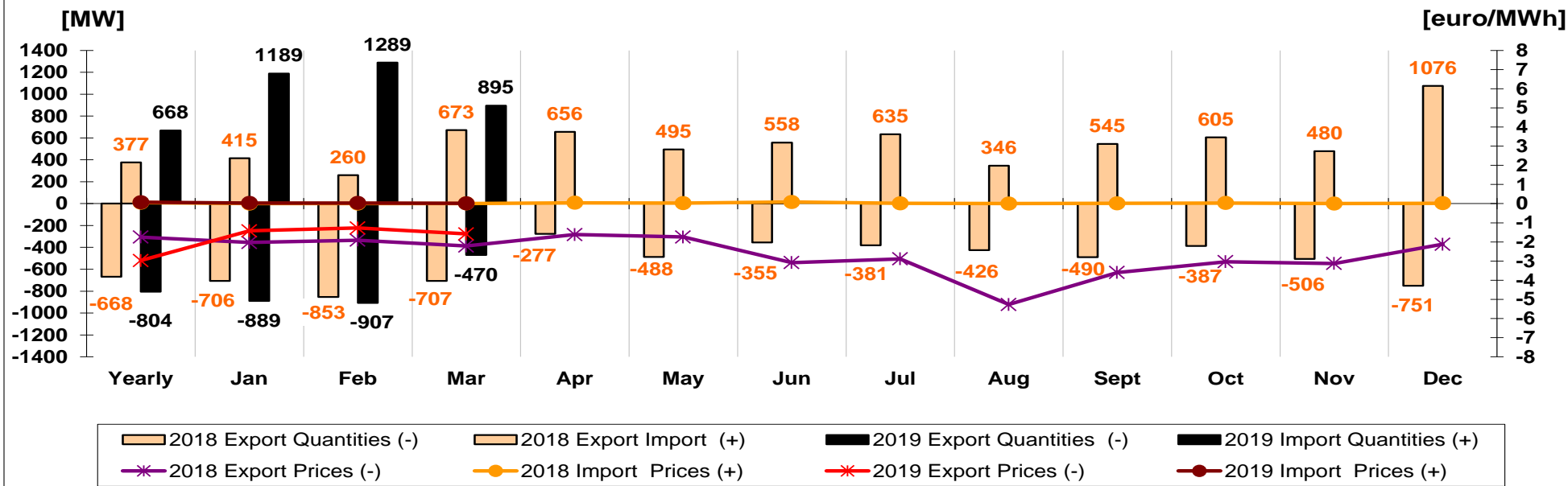


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Bulgaria export	0.51	0.47	0.44	0.46									
Bulgaria import	5.60	2.67	4.24	2.09									

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 March 2019 the auction price was lower on export direction, while offered capacity decreased and capacity request was higher. The auction price increased on import direction, while offered capacity and capacity request were higher.

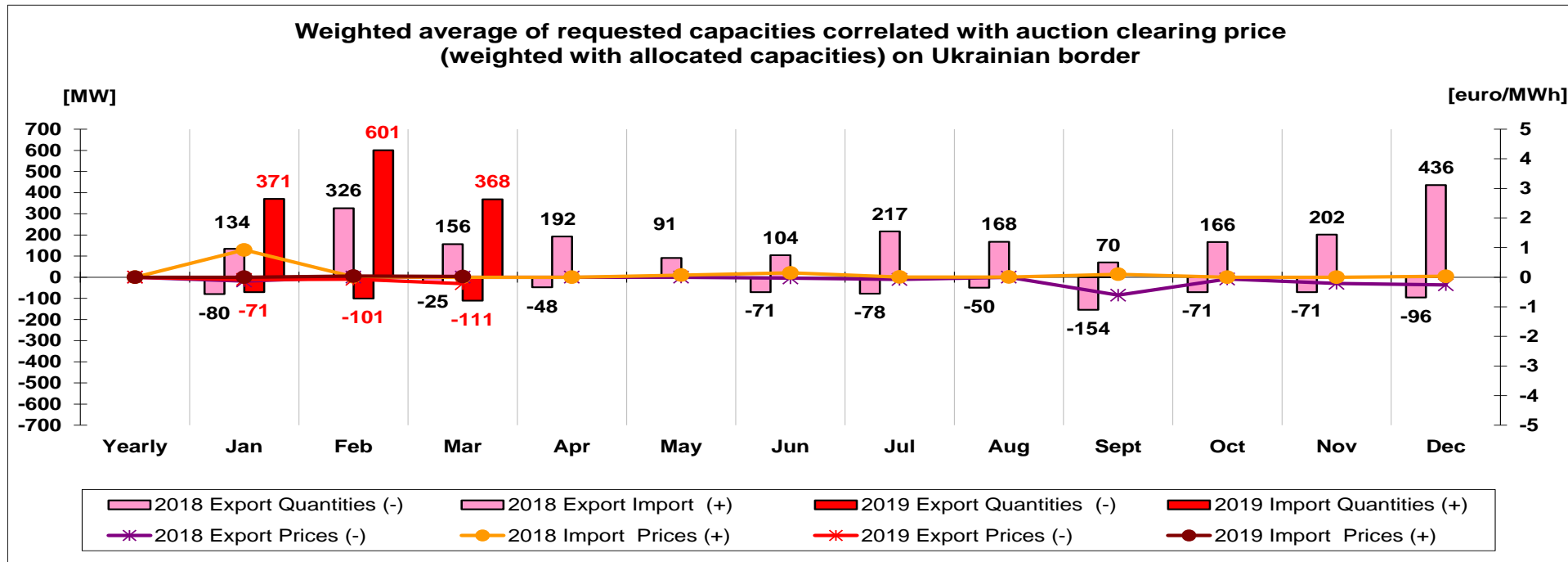
Weighted average of requested capacities correlated with auction clearing price (weighted with allocated capacities) on Serbian border



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
Serbia export	2.97	1.42	1.27	1.58									
Serbia import	0.07	0.03	0.03	0.01									

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 March 2019 the auction price decreased on export direction, while offered capacity and capacity request were lower. In March 2019, monthly auction price was low on import direction, while offered capacity was lower and capacity request was higher.

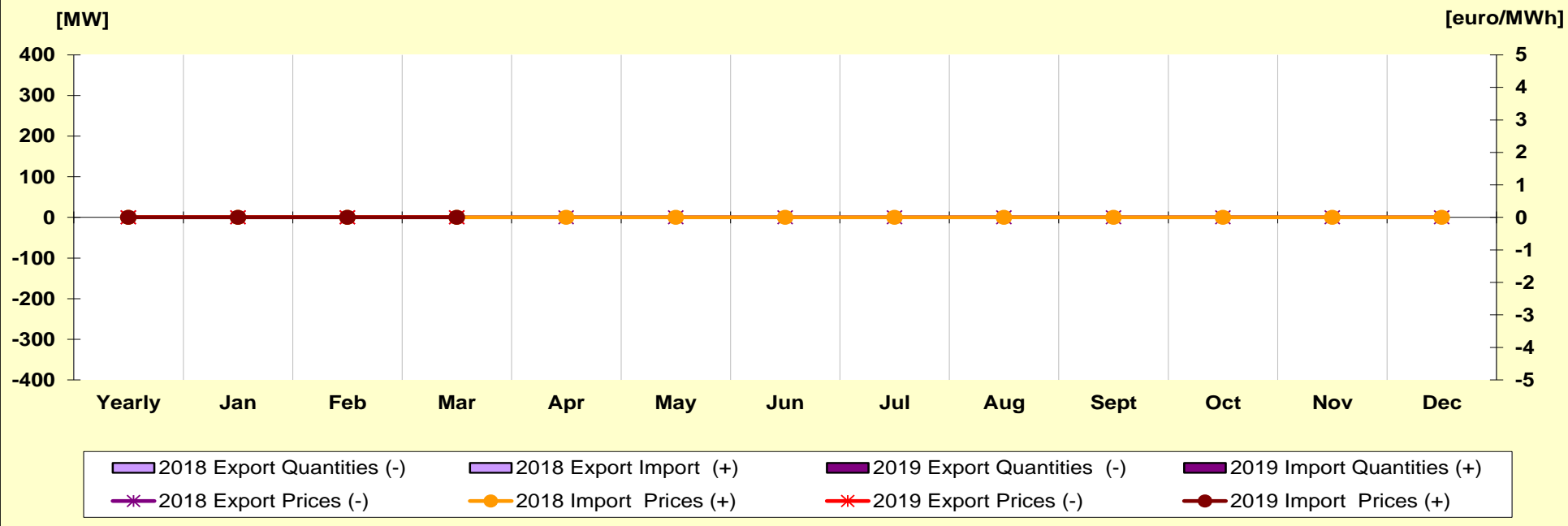


Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Ukraine export	-	0.08	0.07	0.22									
Ukraine import	-	0.00	0.04	0.02									

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 March 2019 the capacity request increased on import direction while the offered capacity was higher and the auction price was low. On export direction, in March 2019 compared with similar month of the previous year, the offered capacity did not vary, capacity request was higher and the auction price was different from zero but with low values.

**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	-	-	-	-									

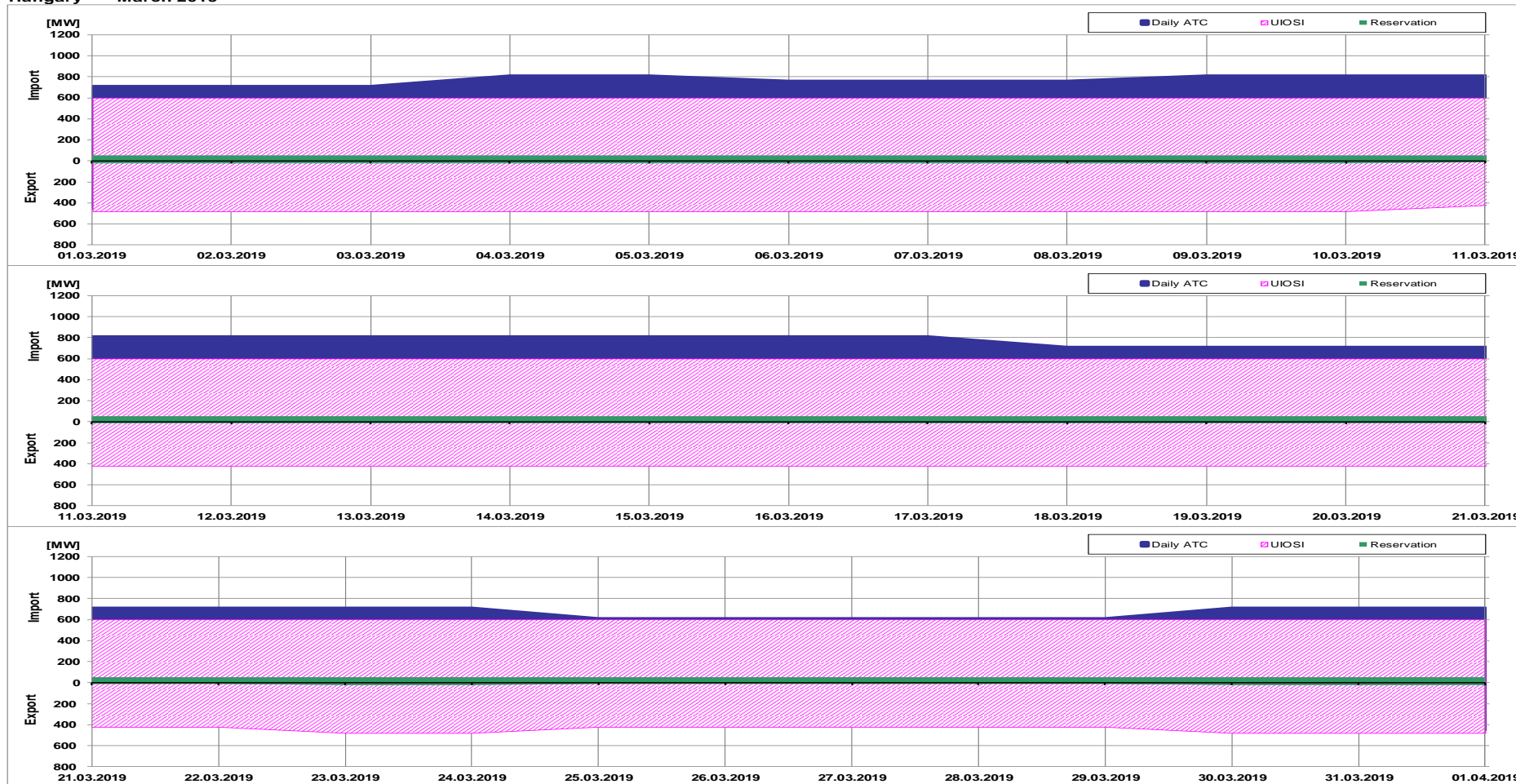
Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

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
15	50	399	548



Hungary March 2019





Market for Allocation of Cross-Border Capacities

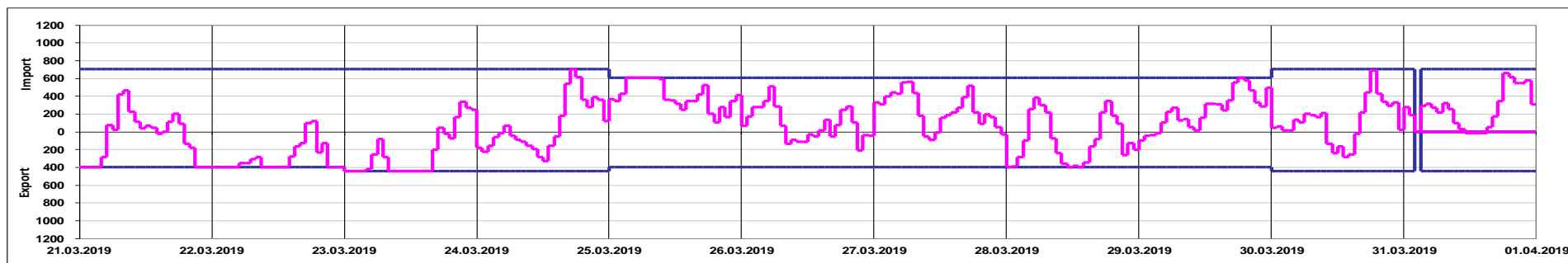
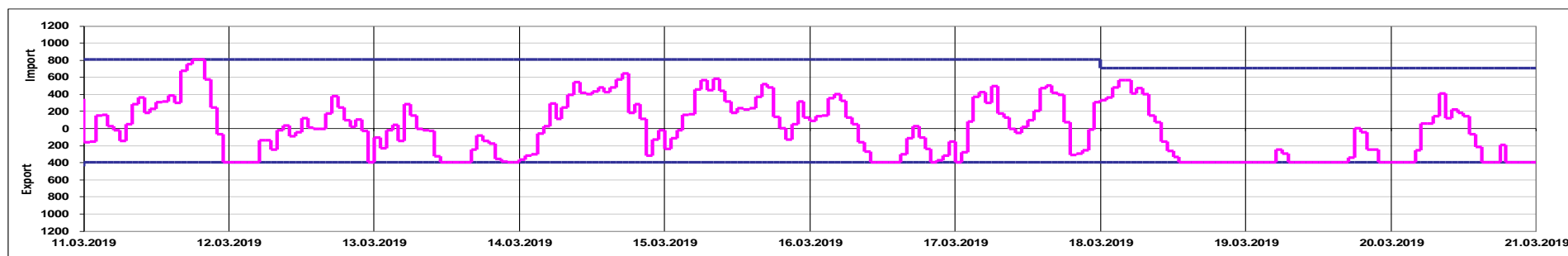
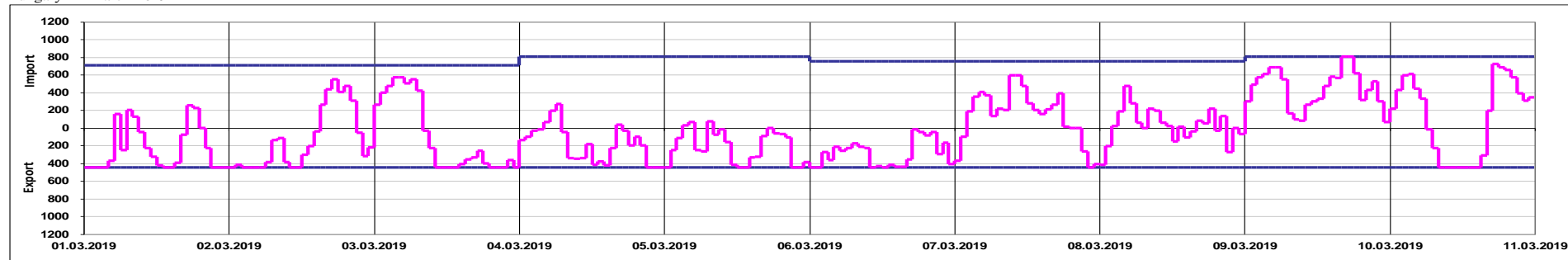


romania2019.eu
Președinția României la Consiliul Uniunii Europene

Daily implicit Auctions on Romanian – Hungarian border

Societate Administrată în sistem Dualist

Hungary March 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]

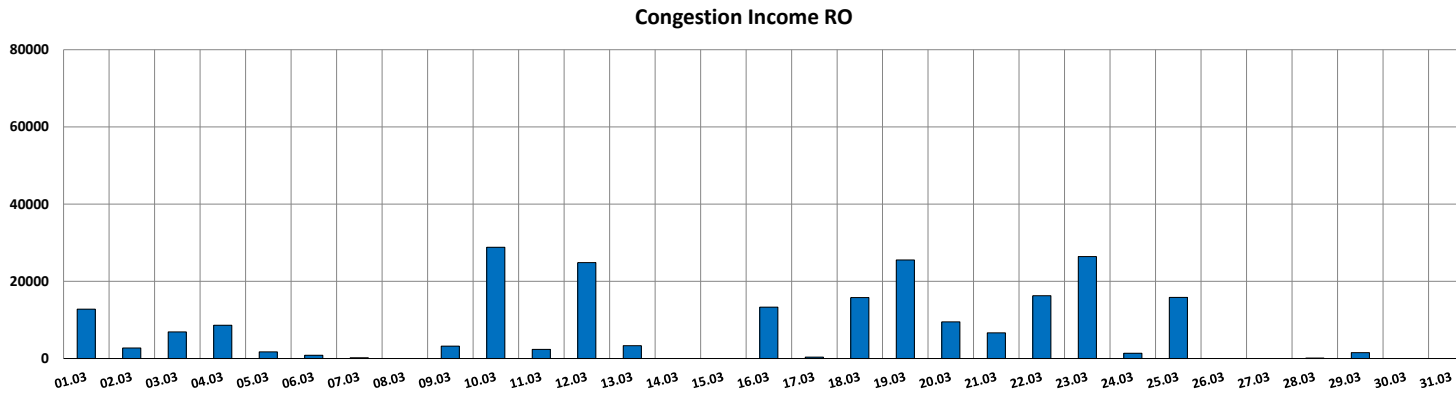
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	32.23	28.48	28.48	31.74	36.62	41.82	58.43	58.64	57.93	54.79	55.22	50.75	49.90	48.30	48.30	52.08	57.10	58.28	69.19	65.45	58.58	46.19	42.08	39.00	69.19
2	42.07	40.98	37.54	35.64	37.53	37.98	43.07	45.04	48.06	48.30	48.30	47.14	47.91	44.97	45.10	47.91	50.40	57.36	69.39	67.14	60.07	56.91	51.61	43.79	69.39
3	31.90	26.08	19.93	14.63	14.76	23.22	20.07	32.42	39.57	42.06	42.06	41.95	39.42	35.42	35.48	42.06	48.28	49.46	58.61	48.28	42.06	39.42	29.30	16.87	58.61
4	18.80	5.96	3.05	1.02	2.48	35.03	47.54	57.94	53.86	50.39	42.95	41.53	42.06	42.06	42.06	45.09	48.28	49.02	60.51	58.26	46.52	35.42	33.06	10.54	60.51
5	32.09	23.00	15.02	10.54	19.96	44.81	56.03	59.49	50.39	48.28	45.66	42.06	41.04	39.42	41.01	43.49	48.28	54.06	70.04	70.08	66.58	55.09	52.07	48.18	70.08
6	41.56	35.66	35.44	33.75	36.07	46.21	59.71	67.05	68.07	60.97	52.11	48.32	48.32	46.21	44.95	48.32	48.72	57.10	77.96	75.39	67.30	56.94	50.43	46.51	77.96
7	47.38	37.47	30.03	27.81	34.22	40.71	51.07	56.95	51.99	48.20	41.99	40.06	41.99	39.86	38.70	40.72	39.87	41.99	51.99	48.20	48.20	41.99	41.47	35.57	56.95
8	29.50	21.06	14.71	10.53	16.43	37.49	48.24	51.88	53.95	51.16	49.90	48.24	48.24	46.04	48.24	48.24	48.24	57.16	52.53	52.84	48.00	43.00	41.11	35.60	57.16
9	38.23	32.07	20.21	14.00	15.73	23.08	35.60	48.24	50.07	51.08	47.89	44.80	42.05	39.48	39.32	41.99	42.05	48.26	51.07	50.00	38.08	27.05	25.24	20.65	51.08
10	21.09	10.79	5.83	4.22	7.34	8.00	10.95	16.45	16.45	10.55	4.22	2.11	3.69	4.22	10.55	22.01	23.60	35.02	48.64	50.05	42.23	40.57	32.14	25.04	50.05
11	15.14	11.55	9.00	8.32	10.12	20.33	34.96	42.65	42.50	38.90	35.96	35.56	34.00	34.00	33.87	36.96	39.01	56.63	71.93	71.42	56.05	45.44	42.84	33.75	71.93
12	10.76	10.12	10.12	10.55	20.46	37.54	46.68	52.01	51.34	46.50	41.36	38.66	34.52	32.13	32.16	33.46	36.56	44.50	58.64	57.02	46.19	33.03	27.91	22.52	58.64
13	18.00	11.03	8.08	6.47	14.52	25.55	43.08	48.52	49.84	48.19	42.55	42.09	45.25	42.09	41.99	41.99	41.99	48.19	62.51	54.52	43.00	33.50	25.04	16.50	62.51
14	23.80	19.52	18.74	15.01	18.99	29.03	37.44	46.54	48.18	45.69	42.51	41.94	41.94	41.41	39.73	41.00	41.05	46.00	51.93	50.24	46.04	42.54	35.53	27.03	51.93
15	29.07	20.36	16.54	15.02	18.27	25.67	35.40	42.58	42.56	41.45	41.41	40.50	40.59	38.00	35.16	34.03	35.79	42.50	52.63	52.50	46.51	32.17	26.69	15.95	52.63
16	28.76	23.09	20.40	11.13	13.38	20.99	29.57	39.25	41.88	41.88	39.25	27.08	15.74	14.27	15.74	27.08	35.41	48.07	63.57	65.44	49.97	42.09	35.47	30.50	65.44
17	20.39	15.77	9.67	4.20	4.20	10.51	5.00	19.03	28.27	28.08	21.02	16.24	13.32	10.51	5.99	13.32	27.12	42.00	56.96	60.02	48.86	41.94	33.00	14.00	60.02
18	23.00	16.07	13.99	12.67	20.08	35.53	39.31	44.91	43.92	41.94	40.37	39.31	37.92	35.32	30.90	30.90	35.32	41.94	48.14	42.41	39.01	28.38	26.00	15.77	48.14
19	10.51	10.51	10.51	15.77	29.22	38.01	46.43	48.14	48.14	46.31	41.94	41.41	41.94	41.94	41.94	41.94	46.04	51.10	56.12	58.52	52.57	48.14	41.94	37.42	58.52
20	35.56	33.00	33.00	35.56	36.75	39.43	44.94	48.50	47.97	43.66	40.98	39.95	38.96	37.92	37.41	37.45	37.45	41.98	51.40	54.50	48.16	35.24	37.45	30.93	54.50
21	27.47	27.12	27.12	29.22	33.64	36.39	43.01	47.69	45.57	42.71	38.86	39.49	37.65	37.32	37.00	37.82	40.10	43.43	51.32	54.94	47.99	42.28	39.32	35.53	54.94
22	30.50	27.75	27.10	28.75	30.88	40.98	46.75	50.45	48.00	42.78	39.28	36.83	35.29	35.29	35.52	36.62	38.90	43.98	53.97	53.59	45.74	37.39	29.20	10.50	53.97
23	35.00	29.00	27.99	28.50	31.88	33.49	35.04	35.90	30.75	21.03	17.50	14.30	11.50	10.51	11.56	21.03	30.39	37.94	56.96	62.28	52.38	41.42	37.00	34.81	62.28
24	33.85	31.69	30.63	30.91	30.77	30.64	28.00	29.43	31.00	31.39	29.60	29.00	28.45	26.88	26.08	25.51	28.09	39.36	46.76	51.55	45.38	37.18	34.06	30.38	51.55
25	27.12	24.42	22.83	21.89	29.26	46.10	56.91	62.51	64.26	56.99	50.04	46.62	43.15	42.45	46.07	51.16	56.91	58.62	73.01	73.10	63.01	49.08	46.51	37.47	73.10
26	38.99	35.58	32	31.37	33.27	39.12	45.76	51.99	48.20	46.10	39.36	38.54	39.03	37.18	36.08	38.96	41.47	53.95	71.78	74.45	64.62	55.27	51.60	39.80	74.45
27	38.00	36.13	34.20	33.99	36.85	42.20	44.26	53.58	48.17	42.90	39.80	38.53	38.98	37.97	37.44	37.60	39.44	44.02	65.31	69.94	57.24	48.17	41.97	37.90	69.94
28	35.53	34.05	33.58	33.05	35.32	41.94	48.75	54.61	54.03	49.62	44.41	43.46	43.01	42.51	42.70	46.52	50.74	57.26	64.23	69.59	60.90	54.73	49.36	40.72	69.59
29	40.49	35.90	34.47	33.80	39.01	45.22	49.79	50.99	51.15	48.09	46.00	43.89	41.37	40.56	41.36	43.11	48.09	50.00	69.09	71.84	56.77	41.86	41.20	38.25	71.84
30	46.01	36.26	35.00	34.37	34.46	39.82	35.60	36.90	39.28	37.39	39.28	35.45	27.30	25.67	24.13	26.33	30.99	41.43	58.40	67.01	57.07	46.04	39.75	35.90	67.01
31	32.49	30.21	-	26.98	27.25	28.17	27.93	31.10	32.49	33.07	30.00	27.50	25.81	23.00	21.11	21.77	24.00	31.00	38.00	54.95	58.37	50.18	41.36	33.84	58.37

Average **38.48 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	5.61	8.16	7.82	4.06	-	-	-	-	-	-	-	-	-	1.80	3.49	-	-	-	-	-	-	-	7.99	10.09	8.48	10.09
2	1.88	-	2.10	2.72	0.64	1.01	-	-	-	-	1.15	2.70	-	-	-	-	-	-	-	-	-	-	-	-	-	2.72
3	-	-	-	-	-	-	-	-	-	-	1.19	1.57	0.08	1.39	-	-	-	-	-	9.68	10.02	1.94	-	-	5.12	10.02
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.72	5.02	25.98	25.98	
5	0.45	-	-	-	-	-	-	-	-	-	-	-	2.37	1.22	-	-	-	-	-	-	-	1.92	1.77	-	-	2.37
6	0.48	1.12	-	-	-	-	-	-	-	-	1.90	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	1.90
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	-	-	0.91
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.98	7.00	-	-	-	-	-	-	-	7.00
10	-	-	-	-	-	-	-	-	6.35	15.25	23.90	27.90	24.77	19.50	12.15	-	-	-	-	-	-	-	-	-	-	27.90
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.85	0.90	-	-	-	-	4.32	4.32
12	30.76	28.51	26.94	24.40	14.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.53	30.76	
13	-	-	-	-	-	-	-	-	-	-	-	2.45	0.79	3.11	0.98	0.52	-	-	-	-	-	-	-	3.55	5.46	5.46
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	0.78	14.75	23.34	17.80	10.78	-	-	-	-	-	-	0.10	-	-	-	23.34
17	1.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.76
18	-	-	-	-	-	-	-	-	-	-	-	-	-	1.65	5.41	8.09	5.28	1.63	0.86	9.59	8.28	12.77	10.92	15.74	15.74	
19	25.35	24.56	24.18	18.17	5.23	-	-	3.67	2.86	1.08	4.47	3.84	2.12	2.06	2.01	2.56	0.72	-	-	-	-	-	3.02	3.59	25.35	
20	4.35	5.44	4.16	1.00	-	-	-	-	-	-	-	-	-	-	-	1.30	3.45	3.75	-	0.11	1.78	9.34	5.00	8.45	9.34	
21	9.80	7.89	6.58	4.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	2.05	2.66	9.80	
22	7.50	8.78	8.81	6.67	5.63	-	-	-	-	1.54	1.40	1.27	2.41	0.70	-	-	-	-	-	-	-	2.61	9.87	25.40	25.40	
23	-	4.07	4.33	2.79	-	-	-	-	5.08	13.91	14.84	15.62	17.59	17.61	15.99	7.07	-	-	-	-	-	-	-	-	-	17.61
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.81	-	-	-	-	-	-	-	3.81
25	-	-	-	0.38	5.35	15.75	17.25	6.67	6.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.25
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	0.23	-	-	-	-	-	-	-	-	-	-	0.11	-	0.19	-	-	-	-	-	-	-	-	-	-	-	0.23
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00	-	-	-	-	-	-	5.00
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average 7.05 EUR/MWh



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.03	25530	12765
02.03	5417	2708
03.03	13760	6880
04.03	17192	8596
05.03	3432	1716
06.03	1665	833
07.03	404	202
08.03	0	0
09.03	6432	3216
10.03	57640	28820
11.03	4725	2362
12.03	49723	24861
13.03	6643	3321
14.03	0	0
15.03	0	0
16.03	26615	13307
17.03	693	347
18.03	31607	15803
19.03	51019	25510
20.03	18963	9482
21.03	13282	6641
22.03	32540	16270
23.03	52792	26396
24.03	2690	1345
25.03	31657	15829
26.03	0	0
27.03	0	0
28.03	209	104
29.03	3030	1515
30.03	0	0
31.03	0	0
Total	457658	228829

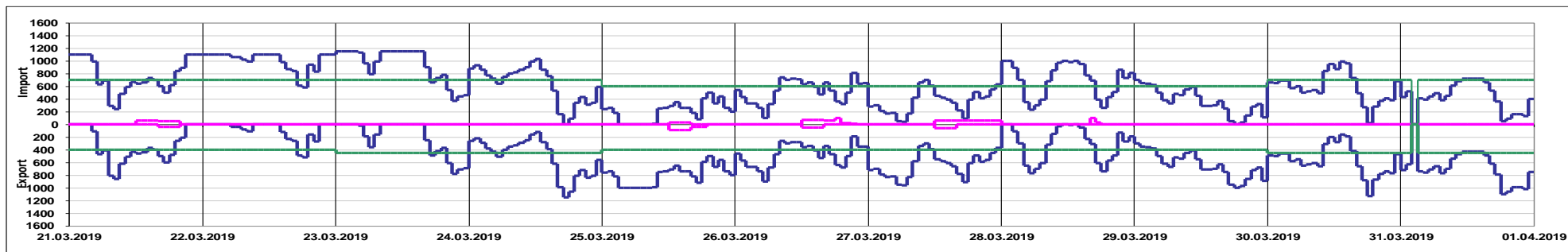
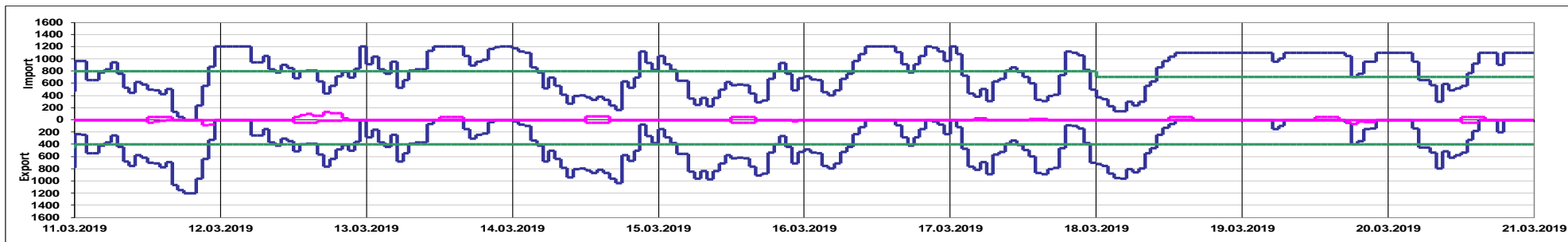
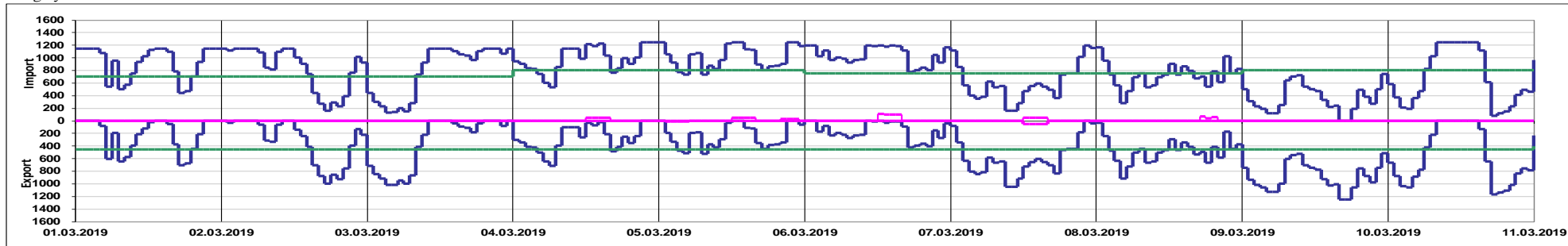
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
410827	46832	394537	39956
457658		434494	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
23165	11582

Intraday Auctions on Romanian – Hungarian border

Societate Administrată în sistem Dualist

Hungary March 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
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
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
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
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
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
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
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
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
19	-	-	-	-	-	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
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
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
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
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	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 March 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	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
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
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
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
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
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

Hungary March 2019



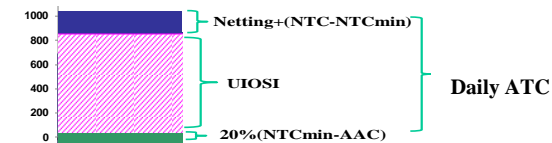
Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities

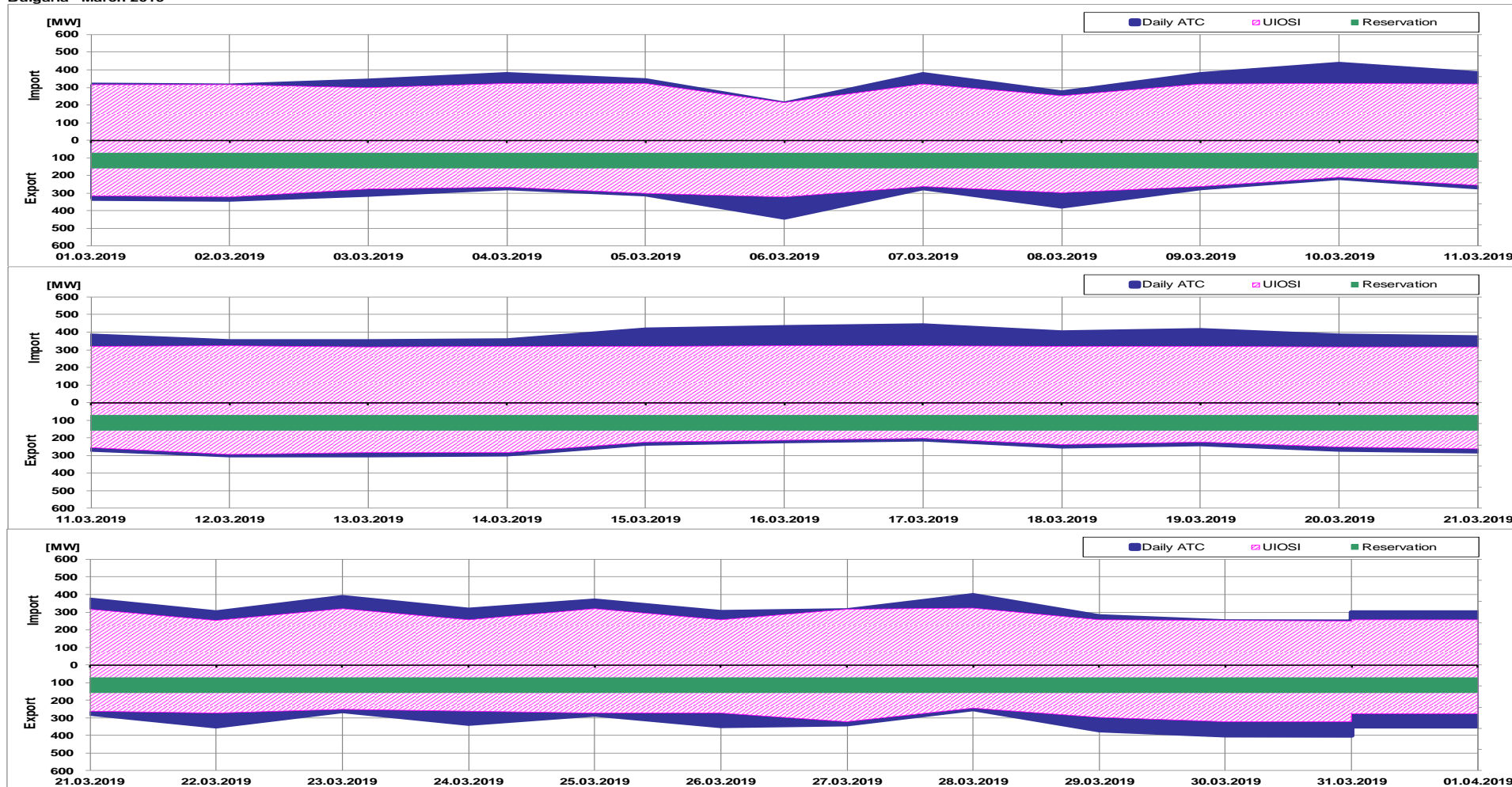
Daily Auctions on Romanian – Bulgarian border



Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
31	40	217	252



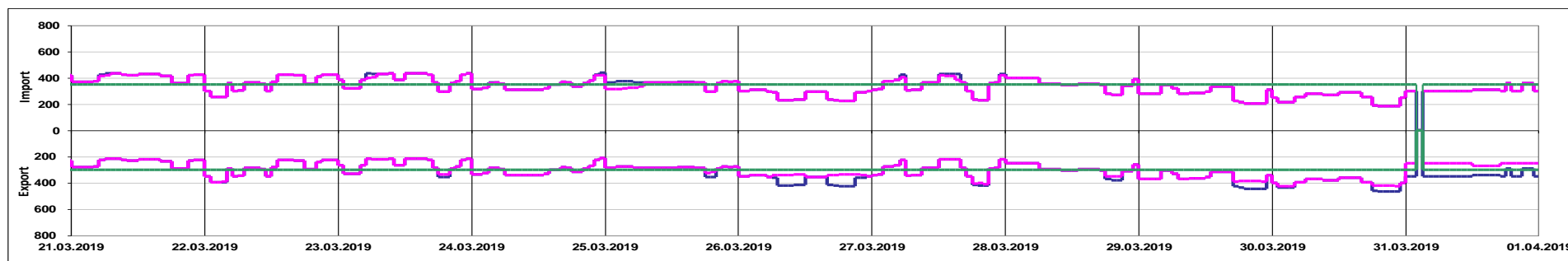
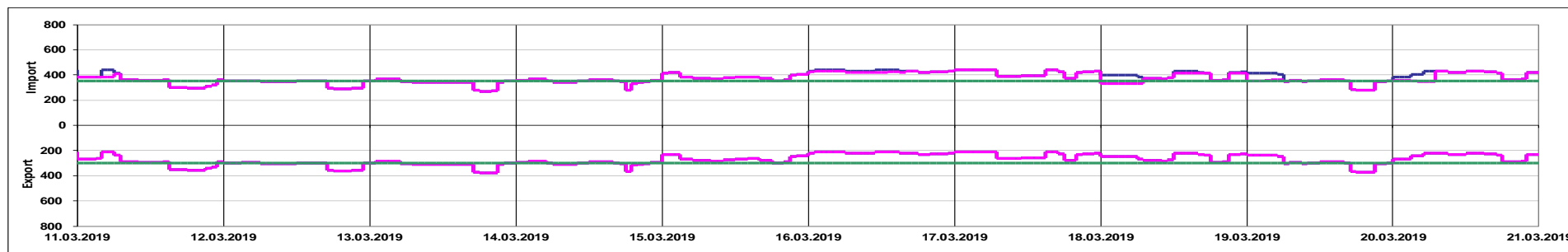
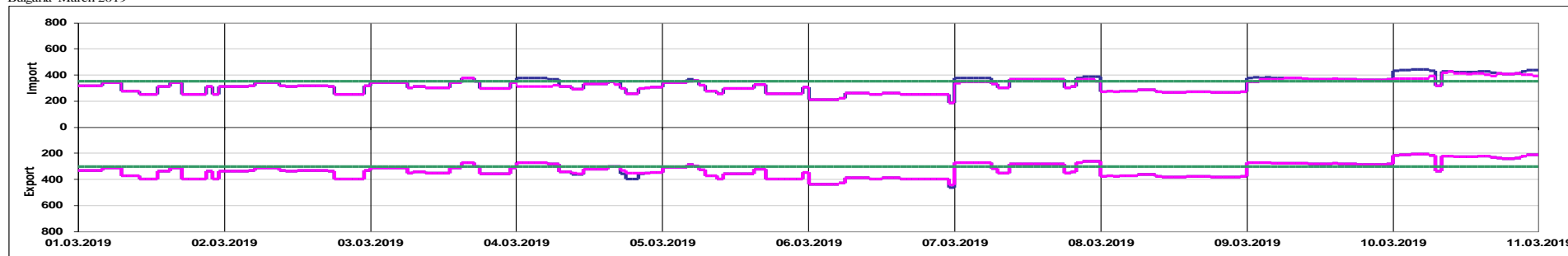
Bulgaria March 2019



Daily Auctions on Romanian – Bulgarian border

Societate Administrată în sistem Dualist

Bulgaria March 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

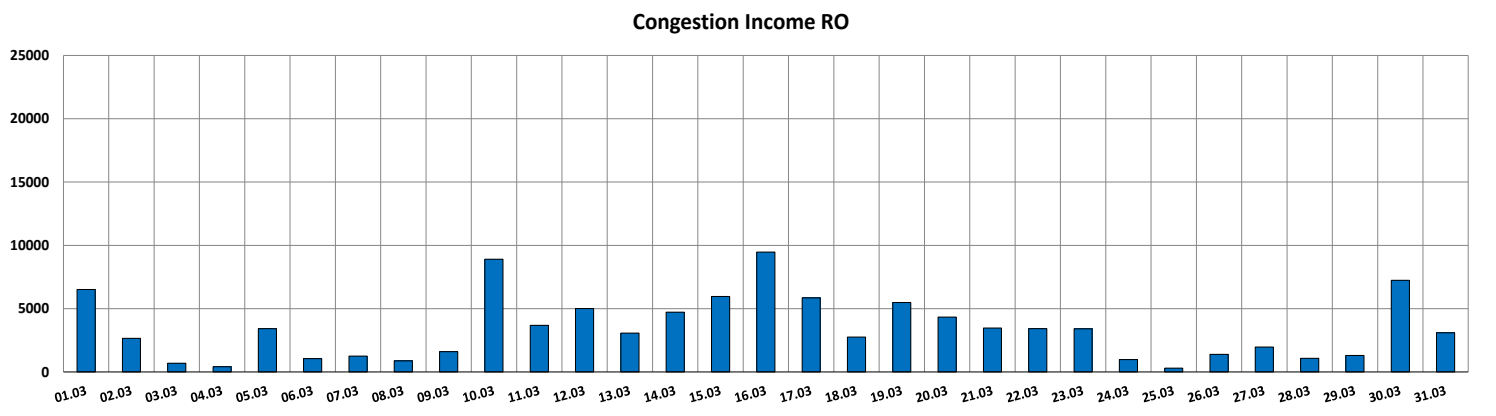
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.04	0.04	0.01	0.01	0.01	0.02	0.04	0.02	0.04	0.04
2	0.09	0.04	0.04	0.04	0.11	0.14	0.14	0.14	0.14	0.11	0.04	0.04	0.04	0.11	0.14	0.14	0.11	0.04	0.02	0.02	0.04	0.04	0.04	0.28	0.28
3	0.05	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.06	0.07	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.07	0.07
4	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04
5	1.60	1.66	2.29	2.29	2.29	2.15	0.44	0.11	0.11	0.20	0.22	0.22	0.22	0.22	0.22	0.40	0.22	0.07	0.05	0.05	0.05	0.08	0.28	0.44	2.29
6	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.05	0.01	0.01	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.05
7	0.11	0.11	0.11	0.11	0.16	0.11	0.06	0.04	0.04	0.11	0.18	0.42	0.46	0.52	0.54	0.49	0.44	0.35	0.09	0.11	0.44	0.75	0.89	1.15	1.15
8	0.38	0.25	0.13	0.45	0.19	0.31	0.10	0.10	0.10	0.05	0.05	0.05	0.09	0.09	0.18	0.06	0.07	0.05	0.05	0.05	0.08	0.05	0.14	0.26	0.45
9	0.56	0.72	0.72	0.84	0.83	0.72	0.72	0.31	0.30	0.32	0.13	0.13	0.13	0.13	0.15	0.34	0.34	0.34	0.13	0.13	0.13	0.34	0.56	0.72	0.84
10	6.00	6.00	6.54	6.54	8.00	6.00	2.00	0.20	2.00	2.01	2.18	2.65	2.62	4.55	4.55	4.14	2.72	2.00	2.00	1.25	1.50	1.55	0.88	3.85	8.00
11	2.00	2.55	1.21	2.96	8.65	5.00	1.00	0.21	0.22	0.33	0.25	0.21	0.20	0.20	0.25	0.11	0.11	0.09	0.01	0.01	0.04	0.09	0.15	0.88	8.65
12	2.55	2.55	3.03	3.12	3.55	3.12	0.88	0.88	0.88	0.90	0.88	0.88	0.90	0.90	0.90	1.01	0.90	0.39	0.23	0.23	0.23	0.33	0.33	0.39	3.55
13	0.88	2.55	2.55	2.55	2.55	2.55	0.43	0.10	0.15	0.15	0.10	0.10	0.22	0.22	0.22	0.32	0.22	0.05	0.05	0.05	0.05	0.22	0.35	0.43	2.55
14	1.56	2.22	3.05	3.15	3.15	3.01	0.56	0.56	0.56	0.56	0.78	0.78	0.78	0.78	0.78	0.82	0.98	0.82	0.34	0.38	0.78	0.78	0.88	0.88	3.15
15	4.00	4.00	4.00	3.55	3.15	2.90	2.99	2.90	1.55	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.56	0.56	0.56	2.65	1.80	2.12	4.00
16	3.12	4.15	4.15	4.15	4.15	3.12	3.11	3.12	3.12	3.13	4.15	6.55	6.55	6.55	6.55	4.15	3.00	0.89	0.71	0.71	3.00	3.12	3.12	3.12	6.55
17	2.15	2.15	3.54	4.74	4.74	2.88	1.25	0.46	0.46	0.46	0.46	4.98	4.98	4.98	4.98	2.12	0.50	0.23	0.11	0.11	0.32	0.46	0.88	0.48	4.98
18	0.45	1.00	2.42	2.15	0.90	0.46	0.32	0.32	0.32	0.32	0.33	0.33	0.73	0.73	0.73	1.00	1.00	0.77	0.33	0.33	0.33	1.68	2.08	2.59	2.59
19	3.63	4.54	5.61	6.11	2.10	1.15	0.59	0.51	0.51	0.36	0.36	0.36	0.51	0.51	0.66	0.54	0.51	0.35	0.27	0.27	0.27	0.51	0.54	0.66	6.11
20	1.72	1.72	1.72	1.72	1.72	1.93	1.09	1.55	1.20	1.55	1.09	1.20	1.20	1.20	1.72	1.72	1.72	1.23	0.56	0.56	1.01	0.56	2.88	2.01	2.88
21	0.41	0.34	0.34	0.34	0.34	1.56	1.55	1.56	1.55	1.09	1.55	1.60	1.56	1.56	2.17	1.24	1.11	1.11	0.34	0.34	0.34	0.64	1.00	1.93	2.17
22	0.28	0.10	0.10	0.00	0.32	0.56	0.43	0.51	0.51	0.54	0.36	0.25	0.46	1.80	1.80	1.55	1.16	0.89	0.28	0.36	1.23	1.55	3.15	3.15	3.15
23	0.72	0.52	0.52	0.52	0.56	0.51	0.36	0.36	0.51	1.75	2.56	2.56	4.19	4.04	3.35	1.16	0.72	0.22	0.00	0.00	0.11	0.17	0.51	0.70	4.19
24	0.09	0.09	0.20	0.22	0.22	0.20	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.20	0.20	0.20	0.50	0.25	0.20	0.20	0.22	0.23	0.50	0.72	0.72
25	0.04	0.04	0.04	0.04	0.09	0.10	0.10	0.10	0.10	0.09	0.04	0.09	0.09	0.10	0.15	0.15	0.10	0.24	0.00	0.00	0.04	0.04	0.10	0.10	0.24
26	0.11	0.11	0.11	0.11	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.22
27	0.14	0.18	0.28	0.34	0.34	0.55	0.14	0.14	0.20	0.34	0.72	0.87	1.78	1.78	1.88	1.25	0.61	0.12	0.00	0.00	0.00	0.41	0.56	1.56	1.88
28	0.22	0.09	0.09	0.09	0.22	0.22	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.05	0.05	0.05	0.09	0.05	0.00	0.00	0.00	0.03	0.03	0.05	0.22
29	0.02	0.02	0.02	0.02	0.08	0.08	0.05	0.05	0.05	0.05	0.02	0.02	0.02	0.05	0.05	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08
30	0.05	0.00	0.00	0.00	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.02	0.02	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.06
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

Bulgaria March 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	0.05	0.26	0.26	0.07	0.04	0.04	0.05	1.15	1.16	0.56	3.22	2.87	1.14	0.11	0.11	0.07	0.05	3.60	11.50	11.50	6.09	1.24	5.00	0.10	11.50
2	0.15	0.50	0.50	0.31	0.09	0.09	0.10	0.11	0.11	0.15	0.15	0.44	0.15	0.11	0.11	0.11	0.11	0.15	3.74	4.00	2.96	1.66	1.65	0.09	4.00
3	0.07	0.07	0.07	0.07	0.07	0.07	0.23	0.24	0.26	0.29	0.33	0.33	0.33	0.17	0.11	0.07	0.07	0.07	0.26	0.14	0.11	0.11	0.11	0.07	0.33
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.10	0.36	0.07	0.07	0.07	0.07	0.00	0.00	0.36	0.55	0.53	0.05	0.05	0.05	0.05	0.55
5	0.04	0.04	0.04	0.04	0.00	0.04	0.11	0.11	0.11	0.32	0.11	0.20	0.20	0.11	0.11	0.11	0.11	0.28	0.82	1.54	0.93	0.44	0.62	0.44	1.54
6	0.64	0.75	0.28	0.28	0.28	0.20	0.20	0.12	0.12	0.12	0.22	0.22	0.12	0.12	0.20	0.20	0.14	0.83	0.75	1.25	0.37	0.26	0.18	0.13	1.25
7	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.11	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.02	0.08	0.06	0.00	0.00	0.00	0.00	0.11
8	0.07	0.05	0.07	0.05	0.05	0.05	0.05	0.02	0.05	0.07	0.14	0.14	0.14	0.14	0.07	0.07	0.07	0.07	0.08	0.20	0.07	0.05	0.05	0.04	0.20
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.07	0.07	0.07	0.07	0.04	0.01	0.01	0.01	0.11
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.14
11	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.05	0.07	0.07	0.14	0.07	0.07	0.07	0.07	0.09	0.09	0.09	0.30	0.82	0.58	0.05	0.08	0.04	0.82
12	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.15	0.44	0.55	0.28	0.08	0.28	0.05	0.55
13	0.07	0.05	0.05	0.05	0.05	0.07	0.07	0.10	0.19	0.19	0.38	0.19	0.19	0.19	0.19	0.14	0.10	0.08	0.55	0.34	0.06	0.05	0.04	0.05	0.55
14	0.10	0.10	0.07	0.07	0.07	0.10	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.08	0.28	0.08	0.08	0.08	0.08	0.10	0.28
15	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.07
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.02	0.08	0.08	0.03	0.02	0.02	0.02	0.08
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.33	0.05	0.05	0.00	0.00	0.33
19	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.13	0.26	0.19	0.26	0.19	0.13	0.13	0.13	0.13	0.56	1.21	2.25	2.25	1.04	0.38	0.27	2.25
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.06	0.06	0.06	0.00	0.00	0.00	0.05	0.05	0.06	0.13	0.13	0.12	0.10	0.06	0.06	0.13
21	0.19	0.19	0.19	0.19	0.06	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.14	0.38	0.38	0.14	0.09	0.09	0.09	0.38
22	0.22	0.56	0.62	0.62	0.12	0.17	0.13	0.12	0.12	0.12	0.22	0.26	0.12	0.12	0.10	0.10	0.10	0.12	0.25	0.25	0.12	0.10	0.10	0.10	0.62
23	0.02	0.09	0.09	0.09	0.01	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.08	0.51	0.51	0.08	0.02	0.02	0.02	0.51
24	0.07	0.07	0.07	0.00	0.01	0.01	0.08	0.09	0.07	0.09	0.08	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.14	0.14	0.09	0.02	0.00	0.00	0.14
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.02
26	0.08	0.08	0.08	0.16	0.16	0.16	0.11	0.32	0.32	0.62	0.72	0.98	0.62	0.62	0.33	0.33	0.62	0.68	0.72	0.72	0.44	0.15	0.11	0.13	0.98
27	0.03	0.03	0.01	0.01	0.01	0.00	0.03	0.02	0.02	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.06	0.47	0.56	0.32	0.03	0.02	0.00	0.56
28	0.08	0.09	0.08	0.08	0.09	0.08	0.08	0.11	0.09	0.09	0.22	0.22	0.22	0.09	0.09	0.08	0.09	0.22	0.88	0.98	1.00	0.30	0.09	0.07	1.00
29	0.32	0.32	0.32	0.32	0.07	0.07	0.08	0.28	0.61	0.37	0.52	0.56	0.32	0.12	0.22	0.08	0.12	0.55	0.55	1.55	1.00	0.55	0.32	0.12	1.55
30	3.39	3.38	2.24	1.50	0.96	0.96	0.73	1.65	1.50	1.65	1.22	1.80	2.96	2.77	2.58	1.50	2.96	2.48	4.49	4.96	4.96	3.84	4.91	1.96	4.96
31	2.00	1.22	-	0.54	0.38	0.38	0.38	0.54	0.55	0.55	0.77	0.55	0.55	0.55	0.55	0.38	0.28	0.54	0.88	3.18	2.18	0.75	1.07	1.22	3.18



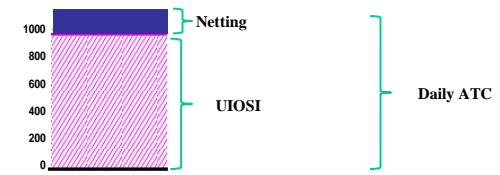
Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.03	13014	6507
02.03	5315	2658
03.03	1379	689
04.03	816	408
05.03	6827	3414
06.03	2095	1048
07.03	2495	1247
08.03	1756	878
09.03	3191	1595
10.03	17806	8903
11.03	7366	3683
12.03	10007	5004
13.03	6122	3061
14.03	9436	4718
15.03	11930	5965
16.03	18928	9464
17.03	11690	5845
18.03	5500	2750
19.03	10966	5483
20.03	8652	4326
21.03	6931	3466
22.03	6831	3416
23.03	6819	3410
24.03	1962	981
25.03	604	302
26.03	2767	1384
27.03	3931	1966
28.03	2149	1075
29.03	2605	1302
30.03	14475	7237
31.03	6188	3094
Total	210551	105276

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
146669	63882	108554	49815
210551		158369	

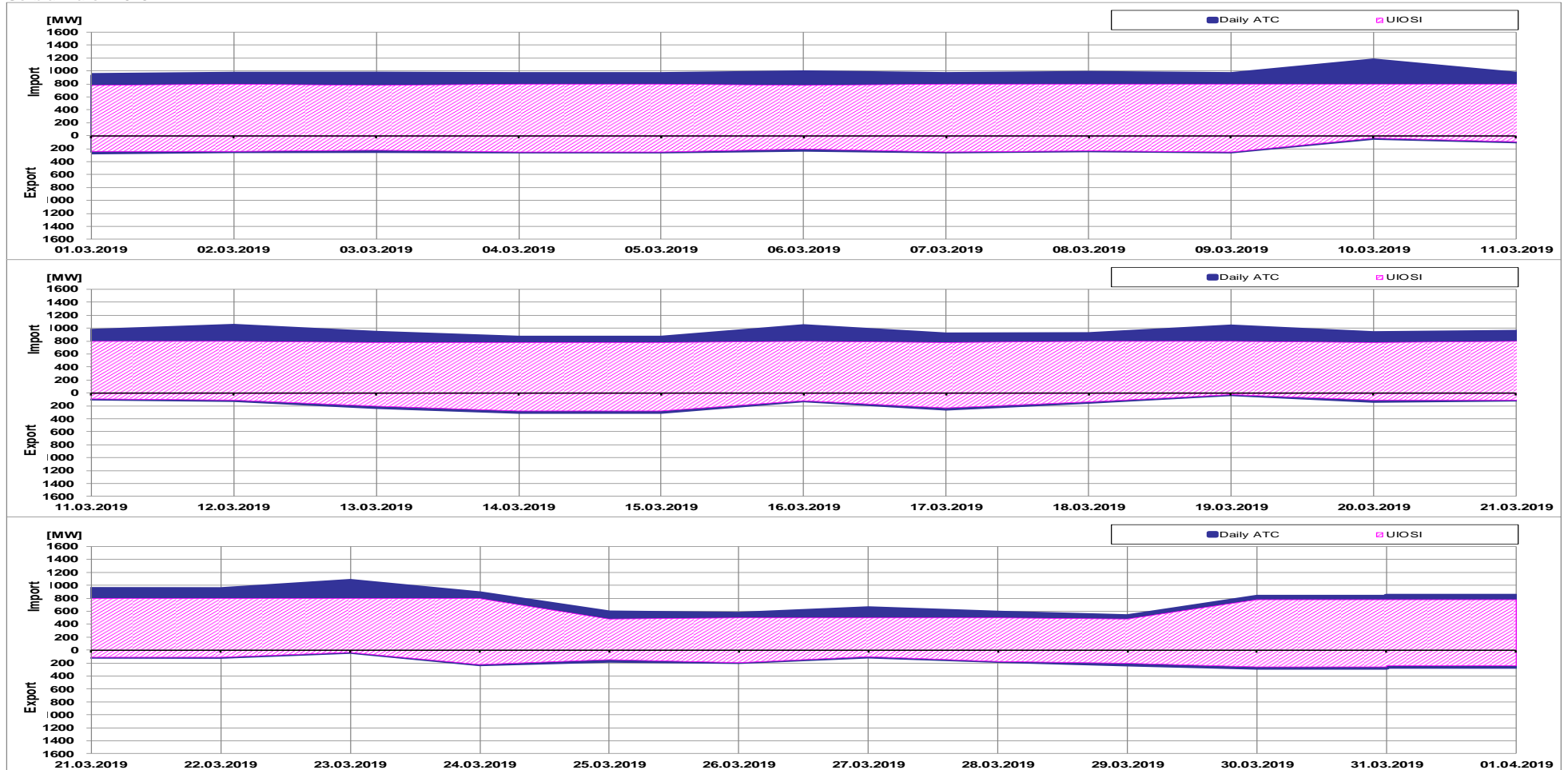
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
52182	26091

Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
187	741

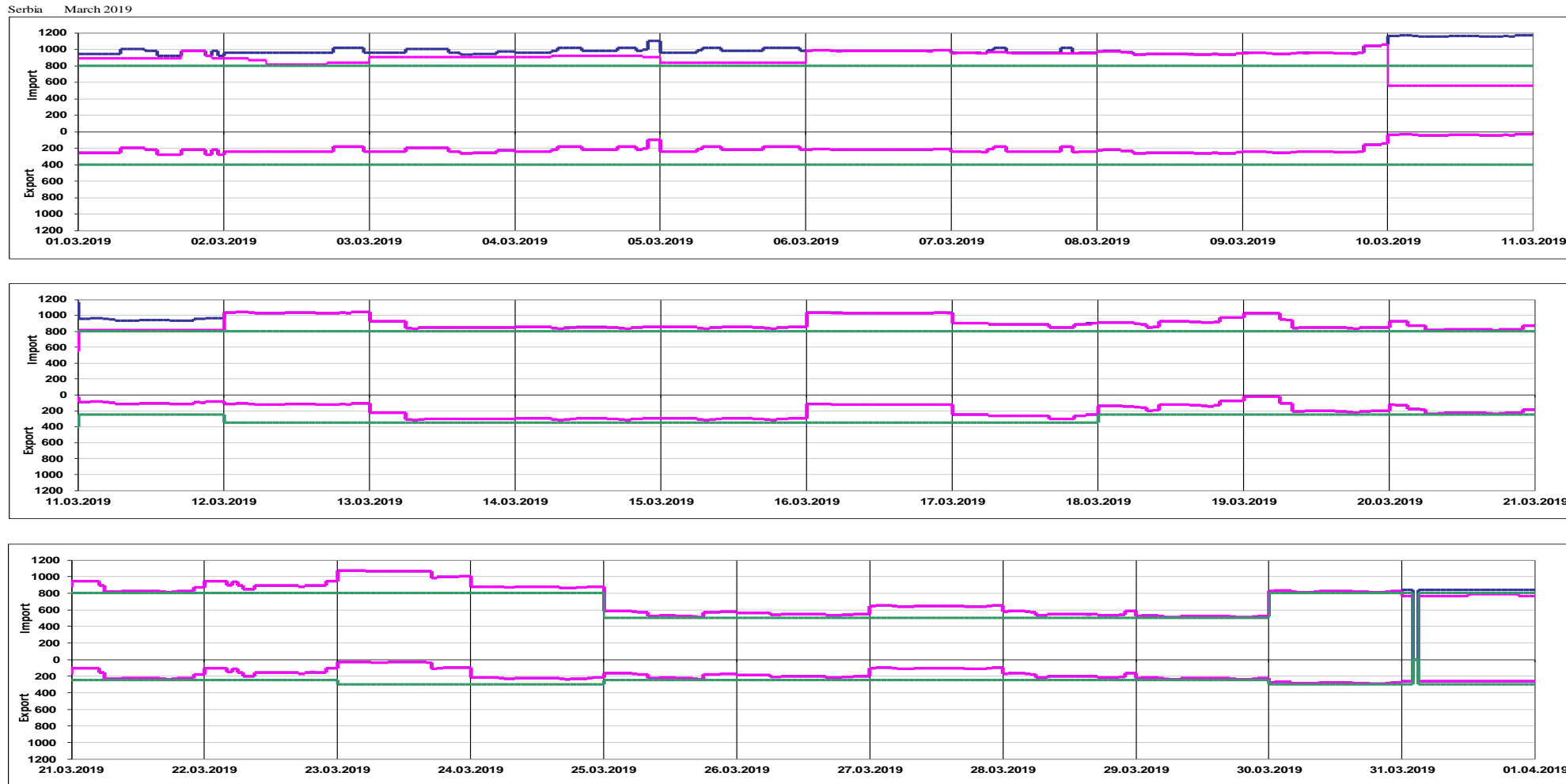


Serbia March 2019



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	3.96	2.49	2.16	1.08	0.74	0.36	0.36	0.56	0.56	0.56	0.56	0.52	0.52	0.32	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.36	0.52	0.36	3.96
2	0.22	0.22	0.22	0.22	0.22	0.13	0.13	0.13	0.13	0.13	0.13	0.18	0.13	0.13	0.13	0.13	0.13	0.12	0.25	0.25	0.25	0.33	0.33	0.18	0.33
3	0.40	0.40	0.40	0.40	0.40	0.40	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.40	0.40	0.26	0.28	0.28	0.28	0.63	0.66	0.72	0.85	0.85	0.85
4	1.84	1.84	1.84	1.84	1.84	1.84	0.48	0.55	0.55	0.55	0.77	0.58	0.58	0.58	0.58	0.48	0.48	0.55	0.59	1.40	0.88	1.80	2.50	3.10	3.10
5	3.00	2.55	2.57	1.77	2.55	1.00	1.77	1.24	1.24	1.77	3.00	3.31	4.00	4.00	3.25	3.00	0.62	1.05	1.24	1.24	1.24	2.57	3.00	2.57	4.00
6	1.50	1.48	1.50	1.31	1.00	1.85	0.27	0.27	0.27	0.27	0.39	0.46	0.54	0.55	0.55	0.54	0.27	0.27	0.39	0.39	0.27	0.39	0.39	0.27	1.85
7	0.36	0.36	0.36	0.36	0.36	0.36	0.39	0.51	0.51	0.39	1.77	1.77	1.77	2.56	3.55	3.56	2.56	0.56	1.10	1.10	2.51	4.55	5.55	7.05	7.05
8	4.51	3.91	3.11	2.56	2.04	0.72	0.31	0.31	0.36	0.36	0.36	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.36	0.36	0.51	0.51	4.51
9	1.15	1.02	0.51	0.51	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.51	0.89	2.56	5.12	6.00	6.00
10	1.12	1.12	1.12	1.12	1.00	0.55	0.88	1.12	4.49	5.56	5.56	3.68	5.56	5.56	5.56	6.55	5.56	1.12	1.00	1.00	0.78	1.12	1.12	1.12	6.55
11	12.44	8.76	8.59	5.87	6.58	5.67	3.00	3.00	3.15	3.15	6.86	8.78	6.48	7.94	6.72	0.62	0.62	0.55	0.55	0.55	0.55	0.88	5.00	8.00	12.44
12	12.50	12.50	12.50	12.50	12.50	8.56	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.56	0.62	0.62	0.88	1.79	2.55	2.55	6.55	12.50
13	0.25	0.25	0.25	0.25	0.25	0.25	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.22	0.17	0.17	0.25	0.25
14	0.26	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.26	0.26	0.31	0.25	0.32	0.32	0.32	0.32
15	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
16	1.00	0.72	0.72	0.72	0.72	0.72	0.78	2.68	2.68	5.00	9.00	15.00	19.00	9.00	5.50	5.00	2.68	2.68	2.68	1.67	2.68	2.68	2.68	2.68	19.00
17	0.25	0.25	0.25	0.25	0.25	0.25	0.17	0.17	0.17	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.16	0.12	0.12	0.12	0.17	0.25	0.36	0.25	0.36
18	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.31	0.37	1.00	1.40	1.40	1.50	1.50	1.50	1.50	1.50	1.50	3.00	3.00	3.58	5.11	5.11	5.11
19	6.37	6.21	6.50	6.56	4.17	2.88	0.72	0.72	0.36	0.50	0.50	0.50	0.72	0.72	0.72	0.50	0.42	0.34	0.34	0.35	0.35	0.36	0.36	0.51	6.56
20	2.27	2.38	2.57	1.07	0.55	0.39	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.50	1.12	2.08	2.57
21	6.00	5.55	5.55	5.55	5.00	2.00	0.22	0.22	0.22	0.25	0.30	0.30	0.30	0.30	0.30	0.30	0.25	0.25	0.25	0.30	0.30	0.30	0.36	0.50	6.00
22	2.50	2.50	2.50	1.70	0.56	0.66	0.46	0.39	0.39	0.50	0.81	2.76	2.72	2.18	2.28	1.00	0.48	0.46	0.46	0.56	2.52	7.12	7.72	10.12	10.12
23	6.00	5.00	4.56	3.16	2.26	2.26	1.73	2.26	5.00	5.27	7.12	7.12	7.12	6.57	5.00	2.00	1.73	1.73	1.25	1.23	1.22	1.22	1.73	1.73	7.12
24	1.10	1.10	1.10	0.52	0.51	0.44	0.18	0.18	0.18	0.44	0.44	0.44	0.44	0.44	0.44	0.36	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	1.10
25	0.51	0.51	0.51	0.51	0.26	0.25	0.25	0.25	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.17	0.17	0.25	0.25	0.25	0.26	0.70	1.22	1.22
26	0.82	0.82	0.82	0.80	1.00	0.80	0.80	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.42	0.42	0.27	0.25	0.27	0.27	0.27	0.28	0.36	0.40	1.00
27	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	2.15	2.65	2.65	2.65	2.14	2.00	2.00	1.16	1.16	1.16	1.37	1.16	1.65	4.10	5.40	5.40
28	0.21	0.21	0.21	0.21	0.21	0.17	0.11	0.11	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.11	0.11	0.11	0.11	0.11	0.17	0.17	0.21
29	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
30	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17
31	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

Serbia

March 2019

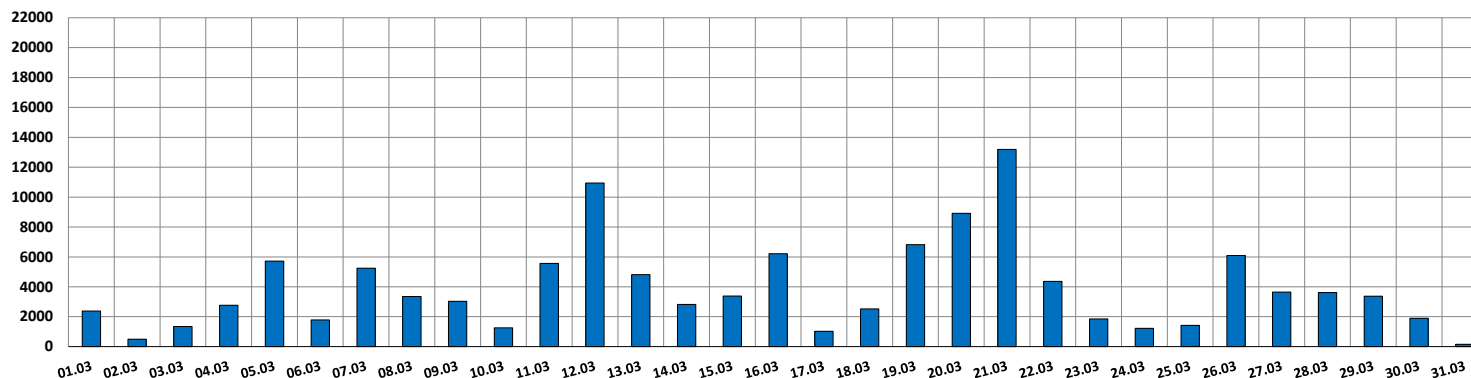
Daily Auctions on Romanian – Serbian border

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	0.00	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	0.03	0.00	0.00	0.03
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	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
8	0.03	0.03	0.03	0.03	0.03	0.03	0.13	0.13	0.13	0.13	0.03	0.03	0.03	0.03	0.03	0.13	0.13	0.13	0.13	0.13	0.03	0.03	0.03	0.03	0.13
9	0.03	0.03	0.03	0.03	0.03	0.07	0.09	0.09	0.09	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.15	0.15	0.15	0.11	0.02	0.02	0.02	0.02	0.15
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	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.26	0.30	0.61	0.61	0.61	0.56	0.56	0.56	0.61
13	0.25	0.25	0.25	0.16	0.16	0.16	0.56	0.80	0.35	0.35	0.35	0.35	0.55	0.55	0.55	0.80	0.80	0.80	0.56	0.56	0.35	0.17	0.17	0.17	0.80
14	0.10	0.10	0.10	0.10	0.10	0.10	0.17	0.36	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.35	0.35	0.20	0.17	0.17	0.17	0.16	0.16	0.36
15	0.15	0.15	0.15	0.15	0.15	0.15	0.19	0.38	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.35	0.38	0.38	0.35	0.35	0.16	0.13	0.13	0.38
16	0.03	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	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03
17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.08	0.08	0.03	0.03	0.00	0.03	0.08
18	0.05	0.06	0.06	0.06	0.06	0.06	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.01	0.01	0.09
19	0.12	0.12	0.12	0.12	0.12	0.12	0.30	0.45	0.60	0.86	0.86	0.86	0.66	0.66	0.66	0.66	0.86	0.86	0.86	0.86	0.58	0.58	0.58	0.58	0.86
20	0.12	0.12	0.12	0.17	0.17	0.36	1.15	1.50	1.15	1.15	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	0.36	0.17	0.14	0.12	1.50
21	0.16	0.16	0.16	0.16	0.19	0.22	1.00	1.00	1.72	1.72	1.72	1.72	1.25	1.25	1.25	1.25	1.36	1.76	2.50	2.50	1.50	0.88	0.56	0.56	2.50
22	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.12	0.12	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.06	0.06	0.12
23	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02
24	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	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.03
25	0.09	0.09	0.09	0.09	0.09	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	0.10	0.10	0.10	0.09	0.09	0.09	0.11
26	0.34	0.34	0.34	0.50	0.50	0.50	0.55	0.52	0.57	0.55	0.55	0.55	0.55	0.55	0.55	0.66	1.82	1.82	1.82	1.82	1.00	0.66	0.34	0.34	1.82
27	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.24	0.32	0.53	0.53	0.52	0.28	0.19	0.10	0.53
28	0.25	0.25	0.25	0.25	0.25	0.59	0.77	0.36	0.47	0.33	0.33	0.42	0.42	0.55	0.55	0.56	0.77	0.83	1.06	1.06	0.35	0.56	0.36	0.35	1.06
29	0.27	0.27	0.27	0.27	0.27	0.39	0.44	0.44	0.44	0.44	0.44	0.39	0.39	0.39	0.39	0.44	0.44	0.66	0.94	0.94	0.45	0.44	0.27	0.27	0.94
30	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.23	0.23	0.23	0.17	0.12	0.12	0.23
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

Serbia March 2019

Congestion Income RO



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.03	4762	2381
02.03	982	491
03.03	2691	1345
04.03	5527	2764
05.03	11439	5719
06.03	3578	1789
07.03	10490	5245
08.03	6693	3346
09.03	6063	3032
10.03	2519	1259
11.03	11137	5568
12.03	21894	10947
13.03	9629	4815
14.03	5638	2819
15.03	6767	3384
16.03	12440	6220
17.03	2054	1027
18.03	5044	2522
19.03	13648	6824
20.03	17823	8912
21.03	26385	13193
22.03	8725	4363
23.03	3702	1851
24.03	2454	1227
25.03	2849	1424
26.03	12187	6093
27.03	7292	3646
28.03	7236	3618
29.03	6742	3371
30.03	3792	1896
31.03	298	149
Total	242481	121240

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
135129	107351	131117	97283
242481		228400	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
14081	7041



Market for Allocation of Cross-Border Capacities

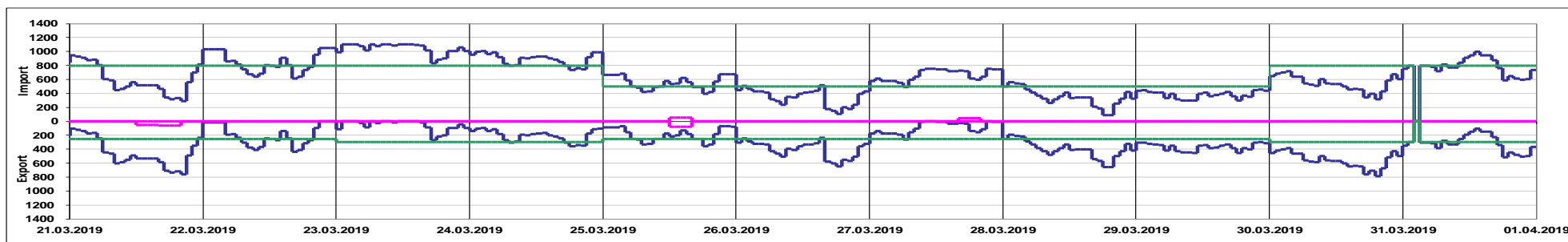
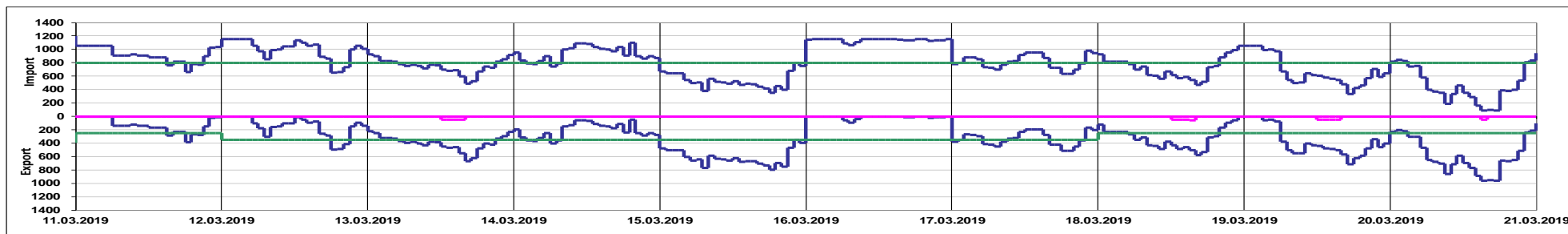
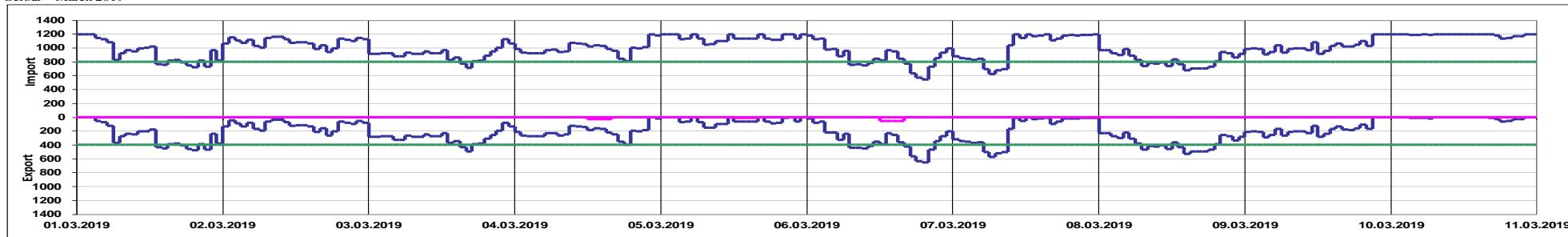


romania2019.eu
Președinția României la Consiliul Uniunii Europene

Intraday Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist

Serbia March 2019



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

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

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



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities



Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Export

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

Serbia March 2019

Statistics on Monthly Auction

March 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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	Number of Capacity Holders	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	
Hungary import	Number of Capacity Traders	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22		
	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		
	Number of Bids	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		
Bulgaria export	Number of Capacity Traders	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
	Number of Capacity Holders	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
	Number of Bids	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55		
Bulgaria import	Number of Capacity Traders	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24		
	Number of Capacity Holders	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
	Number of Bids	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113		
Serbia export	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		
	Number of Capacity Holders	7	7	7	7	7	7	7	7	7	7	4	6	6	6	6	6	6	3	3	3	3	3	3	5	5	5	5	5	5		
	Number of Bids	54	54	54	54	54	54	54	54	54	44	52	52	52	52	52	52	46	46	46	46	46	46	51	51	47	47	47	47	47		
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		
	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	8	8	8	8	8		
	Number of Bids	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	35	35	35	35		
Ukraine export	Number of Capacity Traders	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	Number of Capacity Holders	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	Number of Bids	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		
Ukraine import	Number of Capacity Traders	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	5	5	5	5	5	5	5		
	Number of Capacity Holders	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	3	3	3	3	3		
	Number of Bids	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	19	13	13	13	13	13		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

March 2019	Maximum	Minimum
Number of Capacity Traders	30	5
Number of Capacity Holders	12	3
Number of Bids	149	10

Statistics on Daily Auctions

March 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	7	6	6	6	8	8	9	8	8	6	6	9	7	7	6	8	6	6	6	7	8	8	7	8	7	8	8	8	8	8	5
	Maximum Number of Capacity Holders	5	5	4	4	5	6	5	4	4	5	3	3	5	5	5	4	5	5	4	4	4	5	4	4	3	4	3	6	5	5	
	Maximum Number of Bids	22	21	20	22	28	24	31	29	28	13	15	22	24	23	22	29	20	19	21	20	28	26	19	21	18	25	24	22	21	20	14
Serbia Import	Maximum Number of Capacity Traders	7	7	7	7	6	6	6	5	7	6	5	9	9	8	8	8	6	7	9	9	9	9	7	8	8	10	8	10	9	9	6
	Maximum Number of Capacity Holders	7	7	7	7	6	6	6	5	7	6	5	8	8	8	8	8	6	7	9	9	9	8	7	8	7	9	8	9	8	8	6
	Maximum Number of Bids	22	21	21	21	21	24	25	22	25	15	19	32	36	33	30	28	24	27	37	37	45	31	28	25	27	40	31	43	35	34	20
Bulgaria Export	Maximum Number of Capacity Traders	7	6	5	6	7	7	9	7	8	9	8	10	9	10	9	10	8	6	7	9	9	8	7	7	7	7	9	8	7	6	5
	Maximum Number of Capacity Holders	7	5	5	6	6	7	8	7	7	7	7	8	7	9	7	7	6	5	6	7	8	7	6	6	6	7	7	8	7	6	5
	Maximum Number of Bids	16	17	14	14	19	18	19	19	21	23	22	26	24	27	28	26	19	16	18	24	22	17	19	15	15	15	22	16	17	15	13
Bulgaria Import	Maximum Number of Capacity Traders	10	8	9	9	8	10	8	7	9	8	6	7	8	6	7	8	7	5	8	8	7	9	8	9	6	9	9	10	9	9	8
	Maximum Number of Capacity Holders	8	7	8	7	6	8	7	6	8	8	6	5	7	6	7	8	7	5	6	6	7	8	8	9	6	7	7	10	8	8	8
	Maximum Number of Bids	23	20	24	18	18	20	18	16	21	20	17	18	17	16	19	19	17	15	18	20	19	20	18	21	16	22	19	24	24	27	23

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

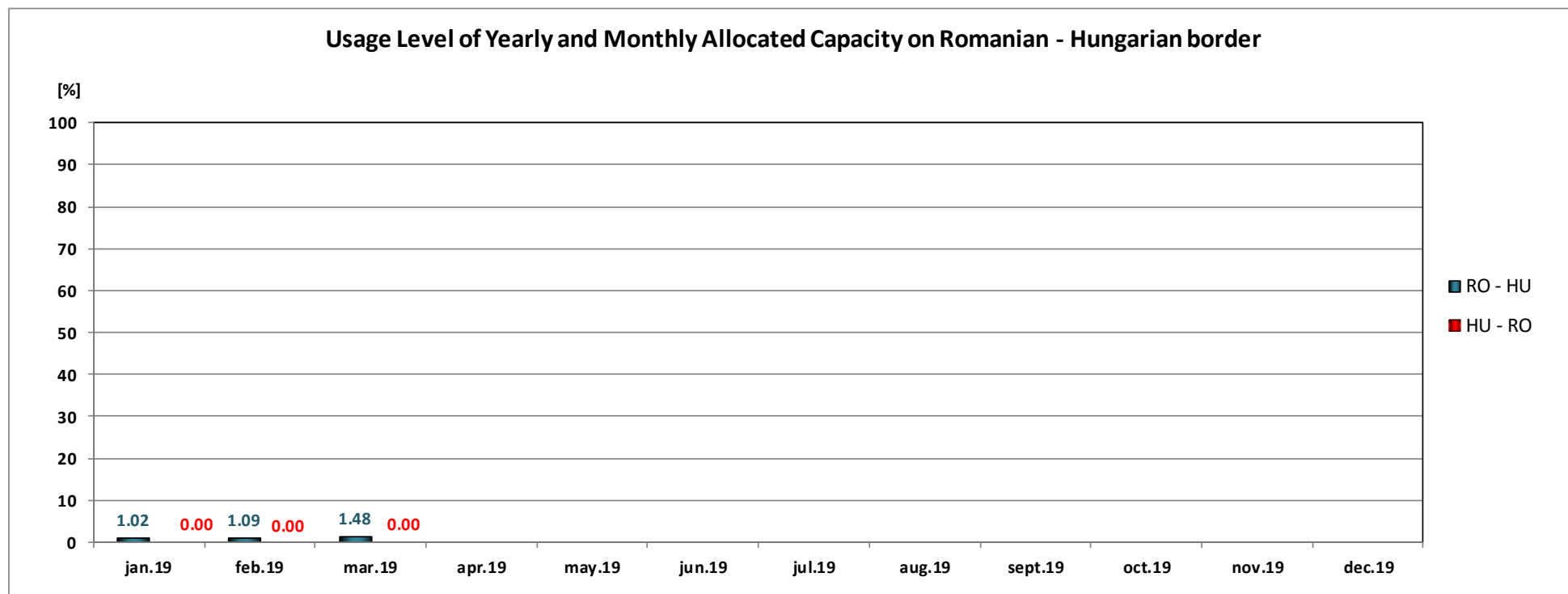
Statistics on Intraday Auctions

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



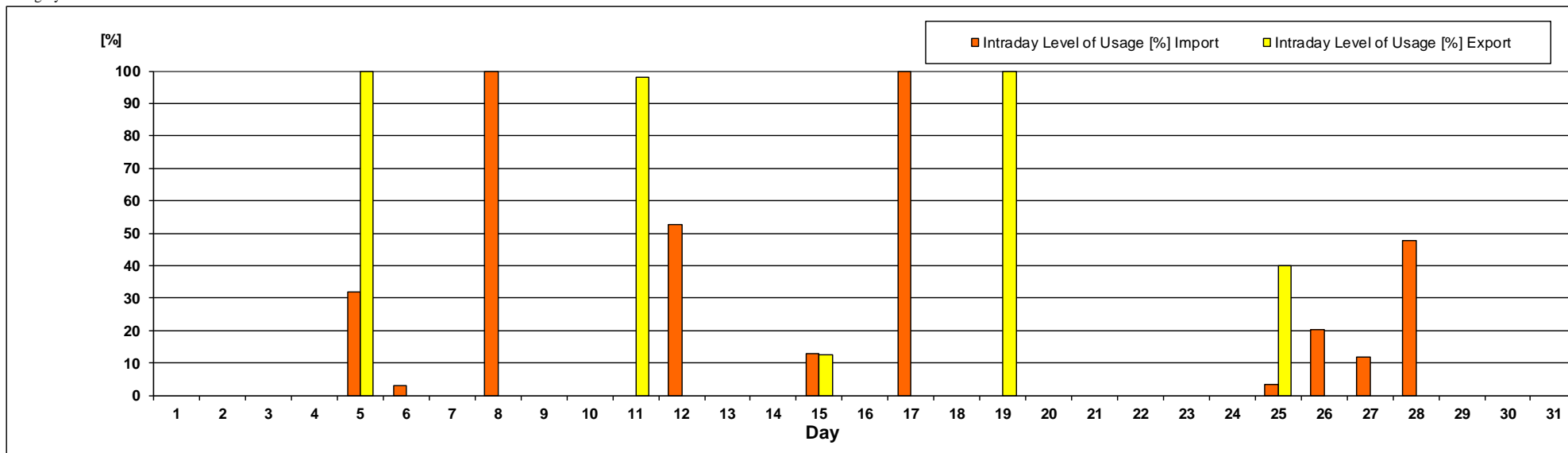
CET

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. From the beginning of the year, the average values (arithmetic) of usage level are: 1.2 % on export direction and 0 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary March 2019



Intraday Level of Usage [%]

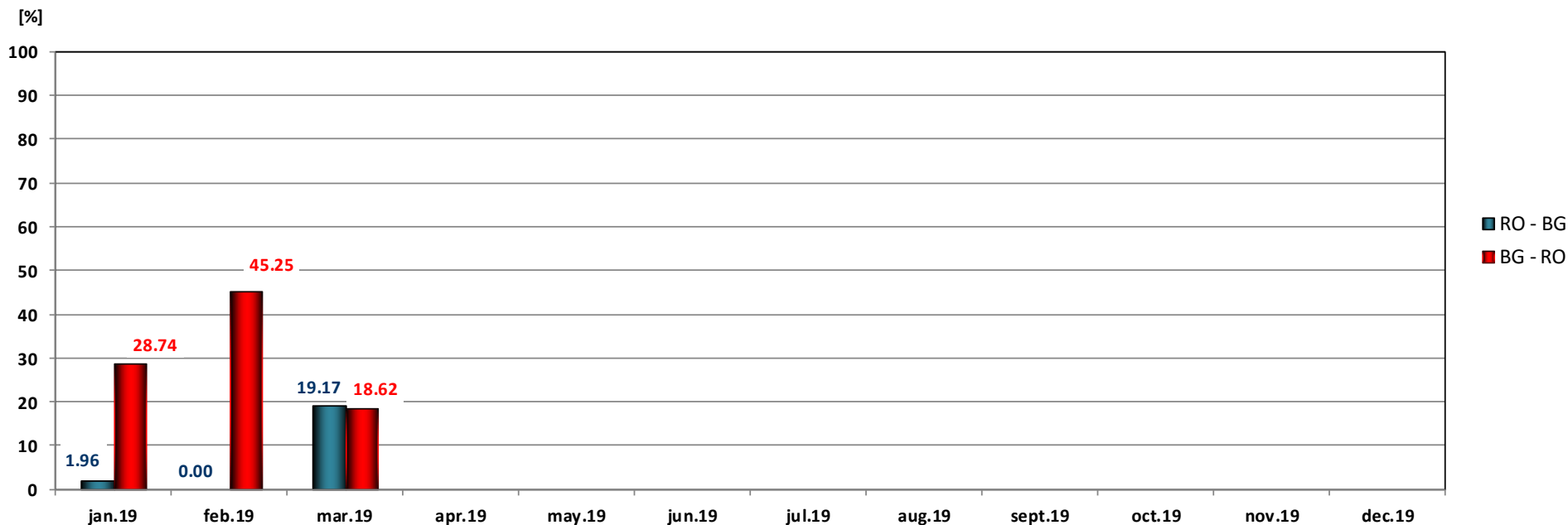
March 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Import	-	-	-	0.00	31.74	2.91	0.00	100.00	-	-	0.00	52.69	0.00	0.00	13.00	-	100.00	0.00	0.00	0.00	0.00	-	-	-	-	3.33	20.18	11.94	47.69	-	-	-
Export	-	-	-	-	100.00	-	0.00	-	-	-	98.15	0.00	-	0.00	12.66	-	-	-	100.00	0.00	0.00	-	-	-	40.00	0.00	0.00	-	-	-	-	

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

- Import 19.35 [%]
- Export 28.75 [%]

Usage Level of Allocated Capacity

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



CET

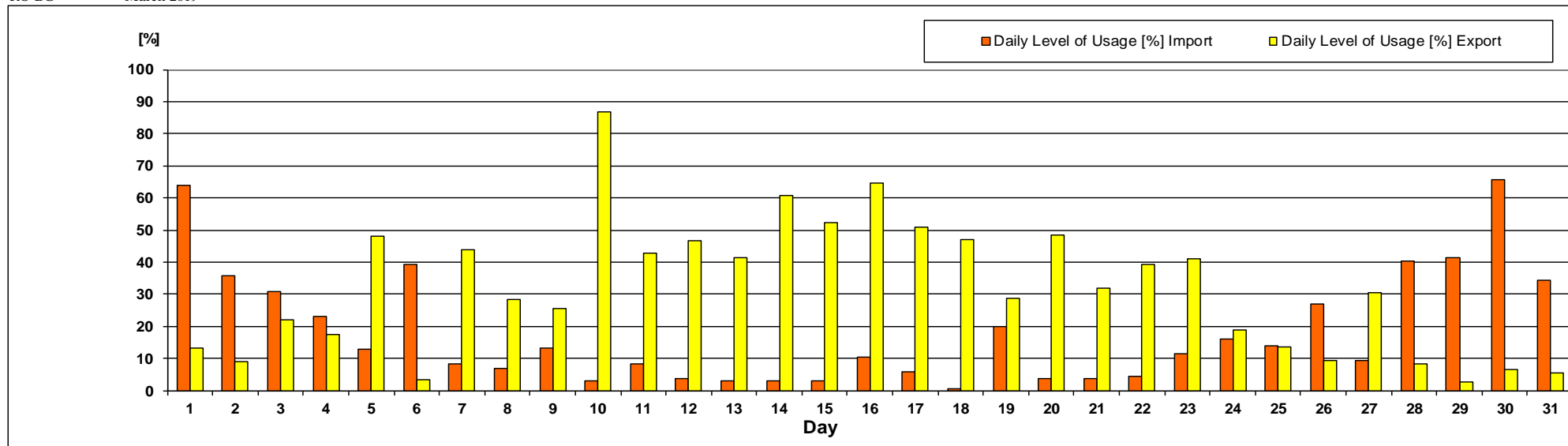
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 7.04 % on export direction and 30.87 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

RO-BG

March 2019



Daily Level of Usage [%]

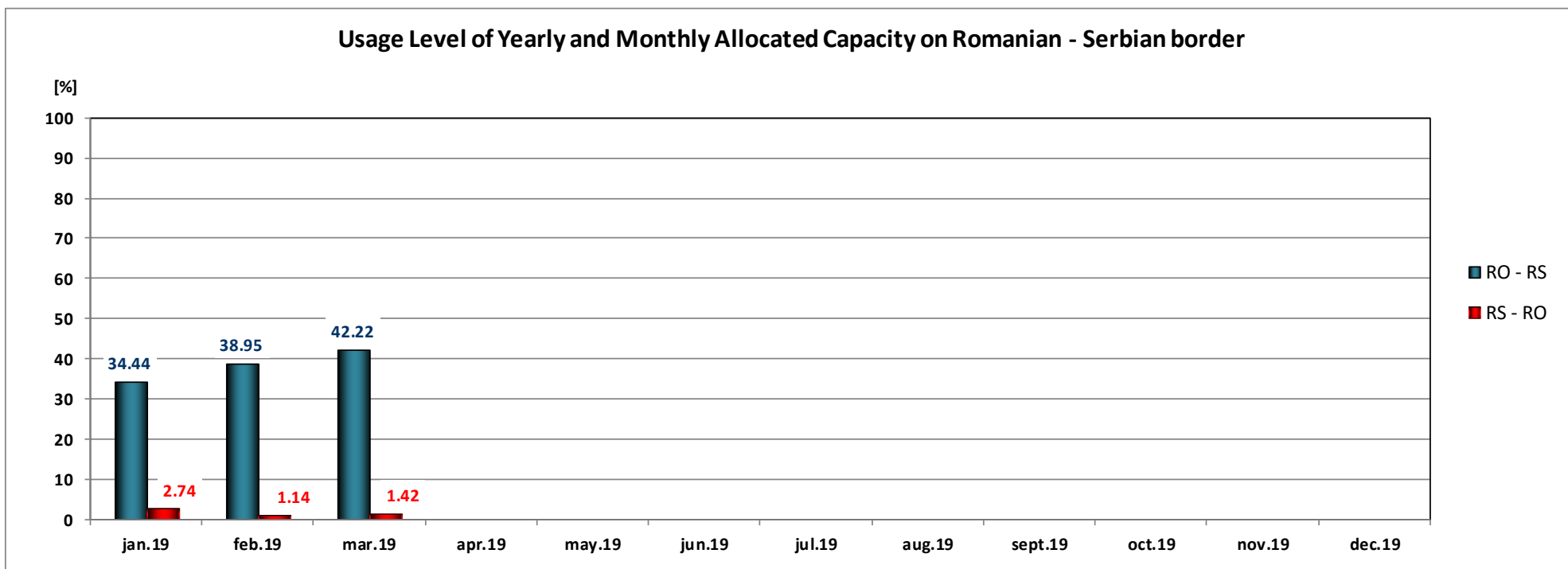
March 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	63.76	35.83	30.66	23.10	12.77	39.09	8.30	6.95	13.37	2.95	8.14	3.63	2.95	3.00	3.06	10.34	5.82	0.56	19.81	3.64	3.63	4.37	11.60	16.03	14.06	26.92	9.47	40.24	41.21	65.82	34.38
Export	13.36	8.84	21.92	17.36	48.19	3.41	43.87	28.37	25.49	86.90	42.90	46.61	41.40	60.63	52.45	64.67	50.90	47.04	28.83	48.42	31.95	39.20	41.09	18.75	13.69	9.47	30.52	8.23	2.79	6.41	5.57

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 16.58 [%]

- Export 29.91 [%]

Usage Level of Allocated Capacity



CET

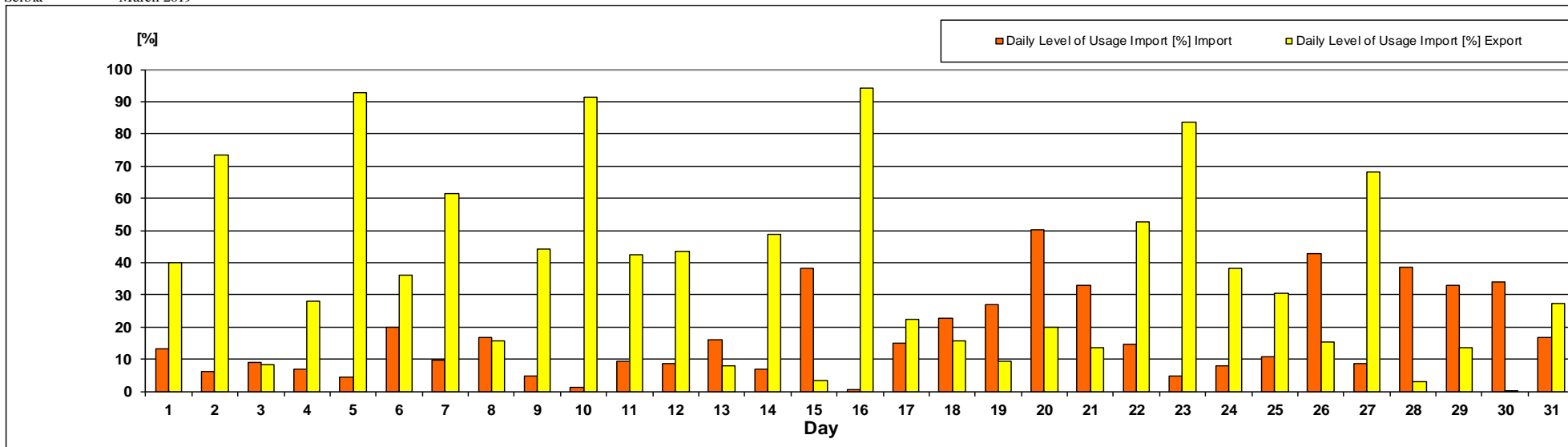
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 38.54 % on export direction and 1.77 % on import direction.

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity

Serbia

March 2019



Daily Level of Usage Import [%]

March 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	13.33	6.27	8.84	6.78	4.33	19.94	9.63	16.88	4.68	1.22	9.35	8.49	16.19	7.00	38.22	0.39	14.94	22.73	26.95	50.19	32.94	14.68	4.69	7.86	10.76	42.79	8.71	38.43	32.86	34.10	16.71
Export	39.86	73.48	8.42	28.13	92.72	36.07	61.38	15.54	44.27	91.30	42.39	43.44	8.03	48.75	3.34	94.22	22.32	15.52	9.38	19.92	13.52	52.69	83.56	38.37	30.50	15.47	68.23	2.92	13.73	0.30	27.45

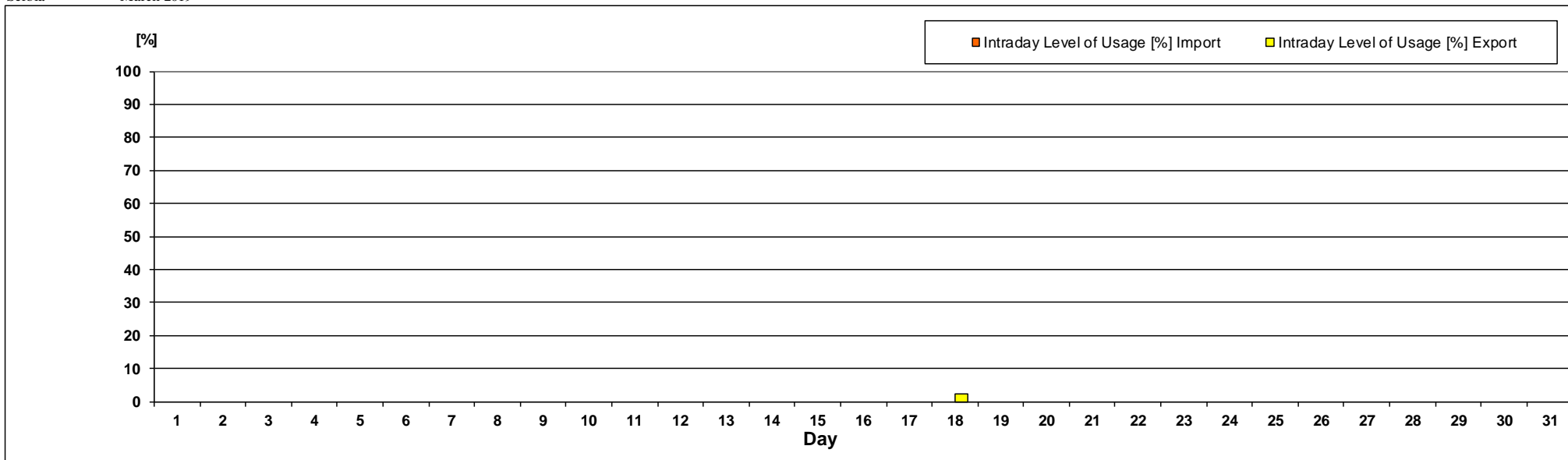
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 16.32 [%]
- Export 31.88 [%]

Usage Level of Intraday Allocated Capacity

Serbia

March 2019



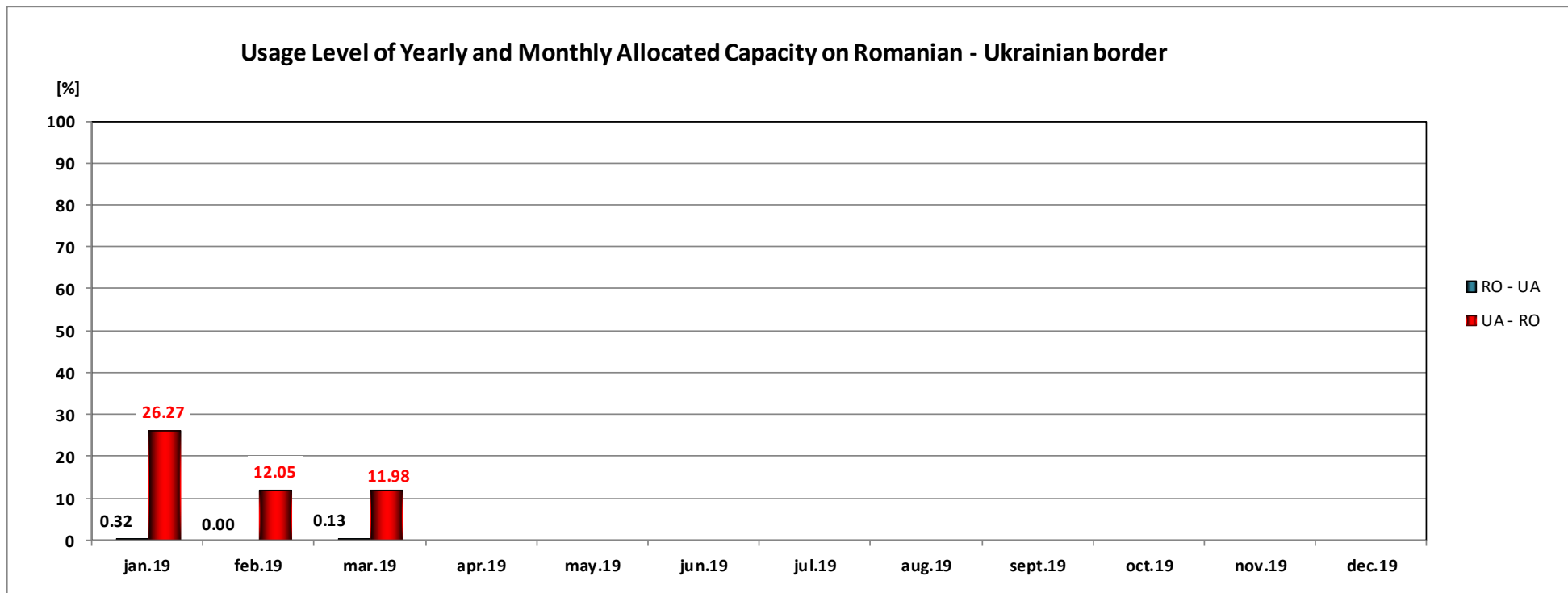
Intraday Level of Usage [%]

March 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	0.00	-	-	-	-
Export	-	-	-	0.00	0.00	0.00	-	-	-	-	-	-	0.00	-	-	-	-	2.44	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:

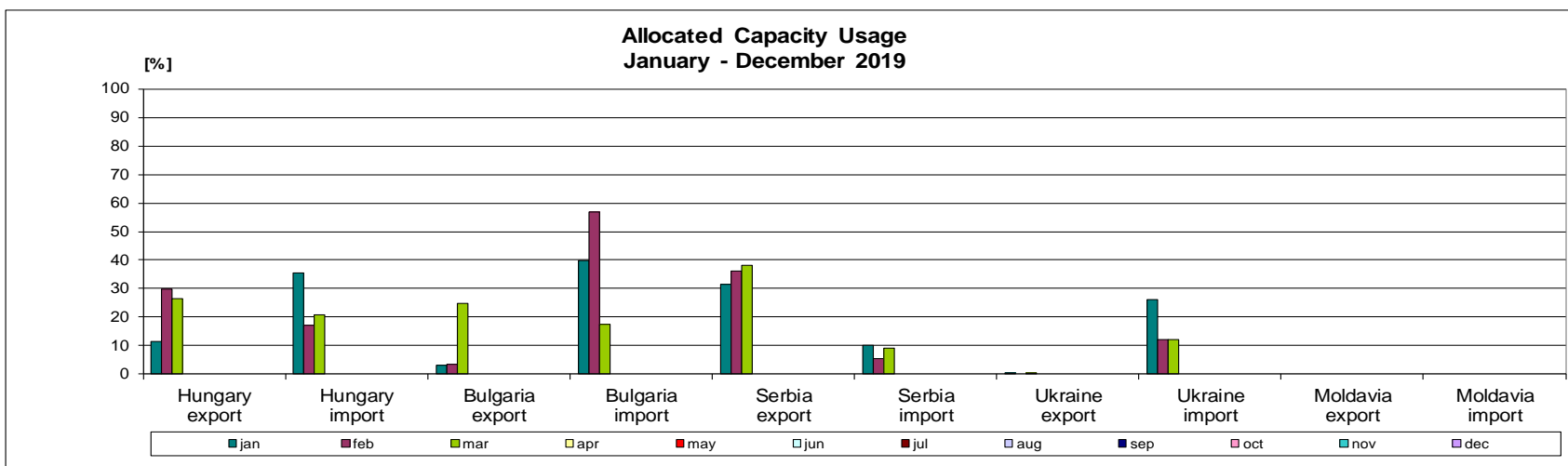
- Import 0 [%]
- Export 0.28 [%]

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: 0.15 % on export direction and 16.77 % on import direction.

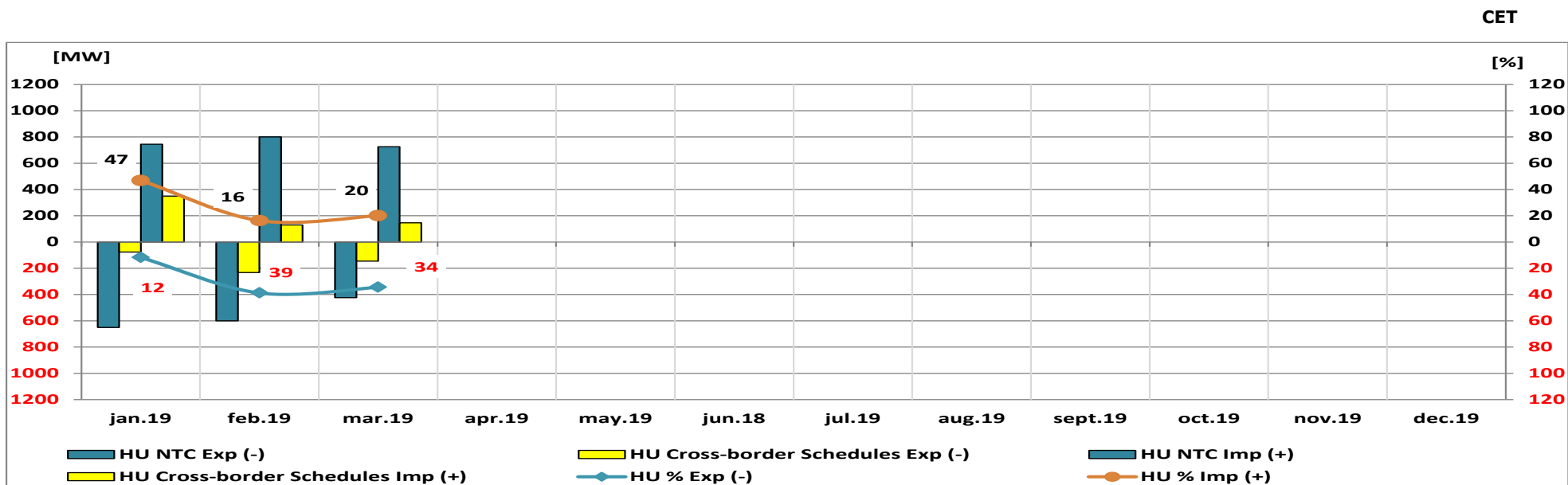


The level of usage of total capacity rights on one border and direction represent the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the total capacity rights.

[%]	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										
may										
jun										
jul										
aug										
sep										
oct										
nov										
dec										
average	22.63	24.43	10.55	38.02	35.24	8.31	0.15	16.77	-	-

In March 2019, the level of usage was low on export direction and the highest level of usage was on Serbian border. Compared with previous months, on Bulgarian border the level of usage highly increased on export direction and decreased on import direction. The highest level of usage on import direction was on Hungarian border.

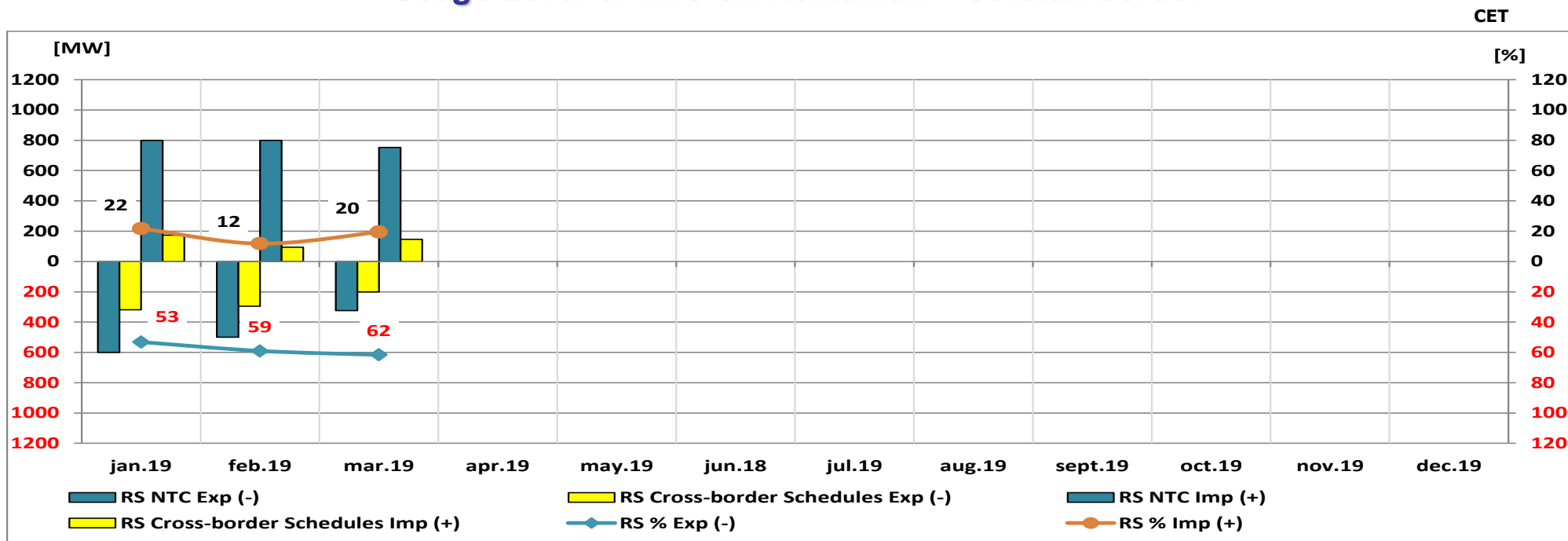
Usage Level of NTC on Romanian – Hungarian border



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									
HU Cross-border Schedules Exp (-)	-76	-233	-146									
HU NTC Imp (+)	745	800	725									
HU Cross-border Schedules Imp (+)	350	130	146									

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: 28.34 % on export direction and 27.79 % on import direction.

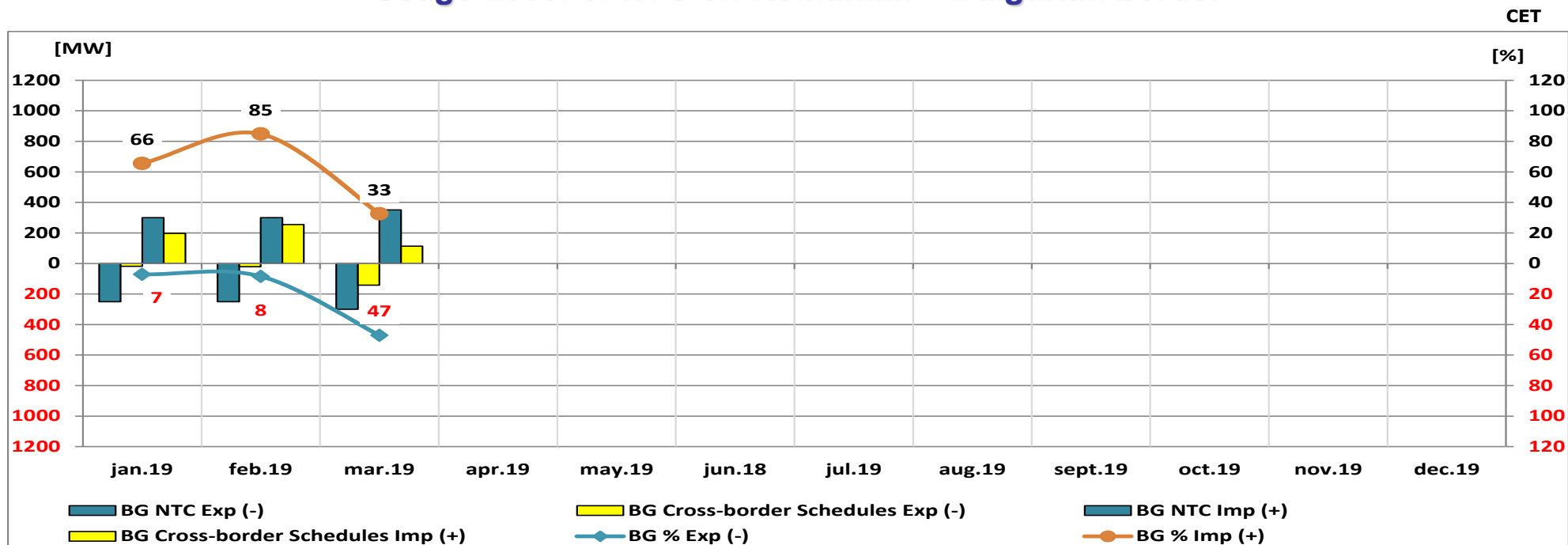
Usage Level of NTC on Romanian – Serbian border



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									
RS Cross-border Schedules Exp (-)	-319	-295	-200									
RS NTC Imp (+)	800	800	753									
RS Cross-border Schedules Imp (+)	174	94	147									

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 57.94 % on export direction and 17.67 % on import direction.

Usage Level of NTC on Romanian – Bulgarian border

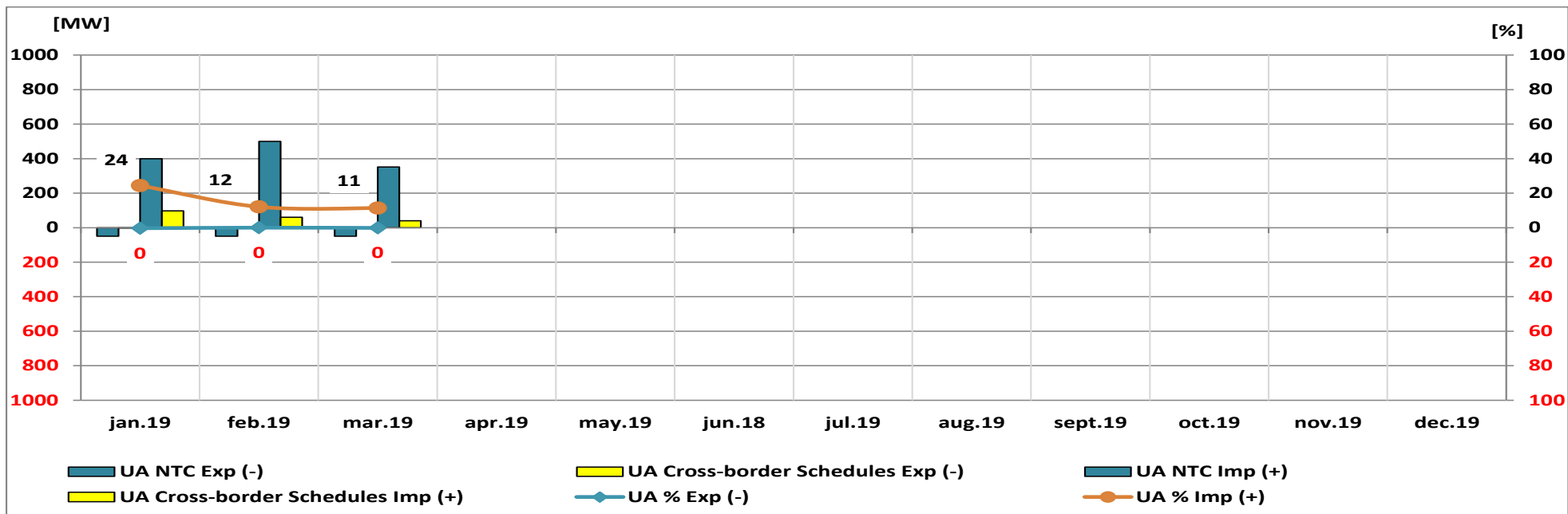


Bulgaria (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
BG NTC Exp (-)	-250	-250	-300									
BG Cross-border Schedules Exp (-)	-18	-21	-142									
BG NTC Imp (+)	300	300	350									
BG Cross-border Schedules Imp (+)	197	255	114									

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: 20.91 % on export direction and 60.97 % on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



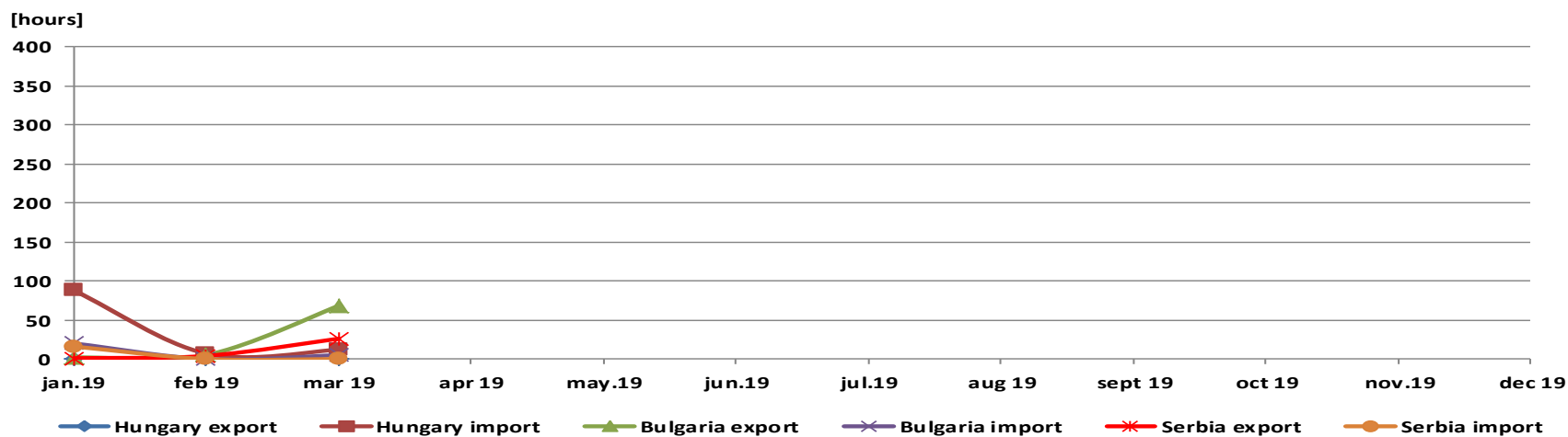
Ukraine (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
UA NTC Exp (-)	-50	-50	-50									
UA Cross-border Schedules Exp (-)	0	0	0									
UA NTC Imp (+)	400	500	352									
UA Cross-border Schedules Imp (+)	97	60	40									

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: 0.15 % on export direction and 15.93 % 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									
Hungary import	88	7	12									
Bulgaria export	2	5	68									
Bulgaria import	20	0	5									
Serbia export	1	4	26									
Serbia import	16	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

March 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	45.23	68.84	2538	-	-	-	86.42	99.64	7601	29.11	65.78	1735
Hungary export	21.43	53.43	1261	62.64	84.35	4223	-	-	-	70.03	100.00	5740	23.96	57.18	1332
Bulgaria import	26.67	69.33	1904	20.25	47.85	1138	39.74	83.17	2580	-	-	-	30.63	64.25	1680
Bulgaria export	13.42	39.60	990	21.43	60.00	1519	35.56	82.86	2430	-	-	-	20.23	51.60	1134
Serbia import	24.50	64.00	1672	17.95	50.20	1322	36.64	72.92	2185	100.00	100.00	10000	19.55	52.23	1235
Serbia export	33.50	68.50	2027	42.21	80.10	2753	51.34	87.05	3373	92.96	100.00	8687	23.25	58.39	1510
Ukraine import	-	-	-	40.98	83.50	2759	-	-	-	-	-	-	40.98	83.50	2759
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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