



Societate Administrată în sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

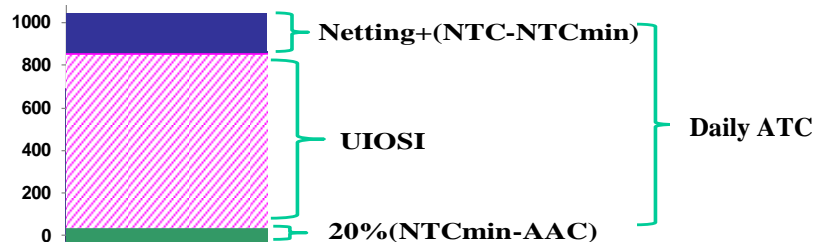
January 2019

- 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 provided 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.
- In 2019, annual auctions were held on import/export Hungary, import/export Bulgaria and import/export Serbia for 01.01 – 31.12.2019; on the Ukrainian border, NTC was zero at annual auction, due to the harmonization of NTC values with the neighboring TSO to the minimum value.
- Monthly auctions for January 2019 were held as: import/export Hungary*; import/export Bulgaria*; import/export Serbia and import/export Ukraine for the period 01.01 – 31.01.2019.
- In January 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 period 01 – 31.01.2019.

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

Annual auction Results of 01 January – 31 December 2019

	Prices [euro/MWh]	Capacities [MW]					
	Resultes	TTC	NTC	ATC	Requested	Alocated	Final Rights*
Hungary export							
<i>01 January - 31 December 2019</i>	3.46	450	350	350	2352	350	346
Hungary import							
<i>01 January - 31 December 2019</i>	0.24	450	350	350	2418	350	350
Bulgaria export							
<i>01 January - 31 December 2019</i>	0.51	250	150	150	835	149	129
Bulgaria import							
<i>01 January - 31 December 2019</i>	5.60	250	150	150	943	150	147
Serbia export							
<i>01 January - 31 December 2019</i>	2.97	300	200	200	804	200	200
Serbia import							
<i>01 January - 31 December 2019</i>	0.07	300	200	200	668	200	200
Ukraine export							
<i>01 January - 31 December 2019</i>	-	0	0	-	-	-	-
Ukraine import							
<i>01 January - 31 December 2019</i>	-	0	0	-	-	-	-
Moldavia export							
<i>01 January - 31 December 2019</i>	-	-	-	-	-	-	-
Moldavia import							
<i>01 January - 31 December 2019</i>	-	-	-	-	-	-	-

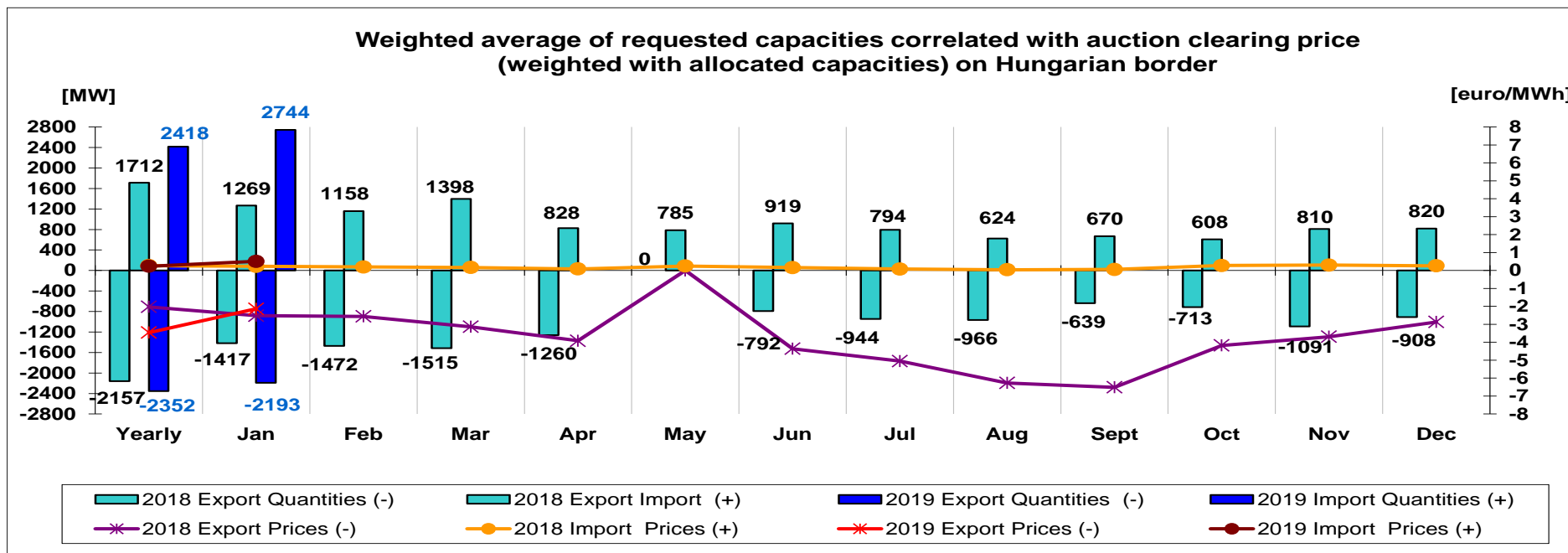
- final rights = annual allocated capacity (border and direction total values) after returns, rights withdrawals after failure to comply with contractual obligations.

Monthly auction Results of 01 – 31 January 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Returned	Offered	Requested	Alocated	Final Rights*
Hungary export 01 - 31 January 2019	2.14	750	650	300	350	4	244	2193	244	590
Hungary import 01 - 31 January 2019	0.51	800	700	350	350	0	280	2744	280	630
Bulgaria export 01 - 31 January 2019	0.47	350	250	101	149	20	100	694	100	229
Bulgaria import 01 - 31 January 2019	2.67	400	300	150	150	3	123	811	123	270
Serbia export 01 - 31 January 2019	1.42	700	600	400	200	-	400	889	400	600
Serbia import 01 - 31 January 2019	0.03	900	800	600	200	-	600	1189	600	800
Ukraine export 01 - 31 January 2019	0.08	150	50	50	-	-	50	71	50	50
Ukraine import 01 - 31 January 2019	0.00	500	400	400	-	-	400	371	371	371
Moldavia export 01 - 31 January 2019	-	-	-	-	-	-	-	-	-	-
Moldavia import 01 - 31 January 2019	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti 01 - 31 January 2019	-	-	-	-	-	-	-	-	-	-
RO_Costesti 01 - 31 January 2019	-	-	-	-	-	-	-	-	-	-
RO_Cioara 01 - 31 January 2019	-	-	-	-	-	-	-	-	-	-

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

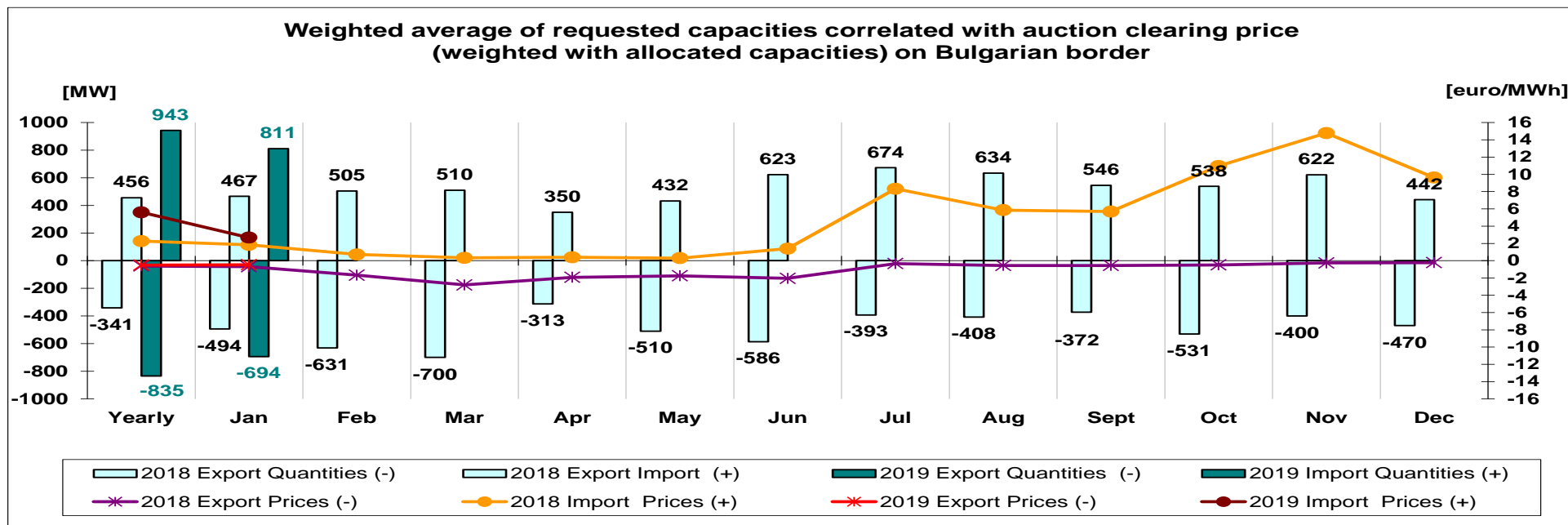
* final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.



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											
Hungary import	0.24	0.51											

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 January 2019 the auction price slightly decreased on export direction, while offered capacity and capacity request were higher. On import direction, monthly auction price was still low, but higher than in January 2018.

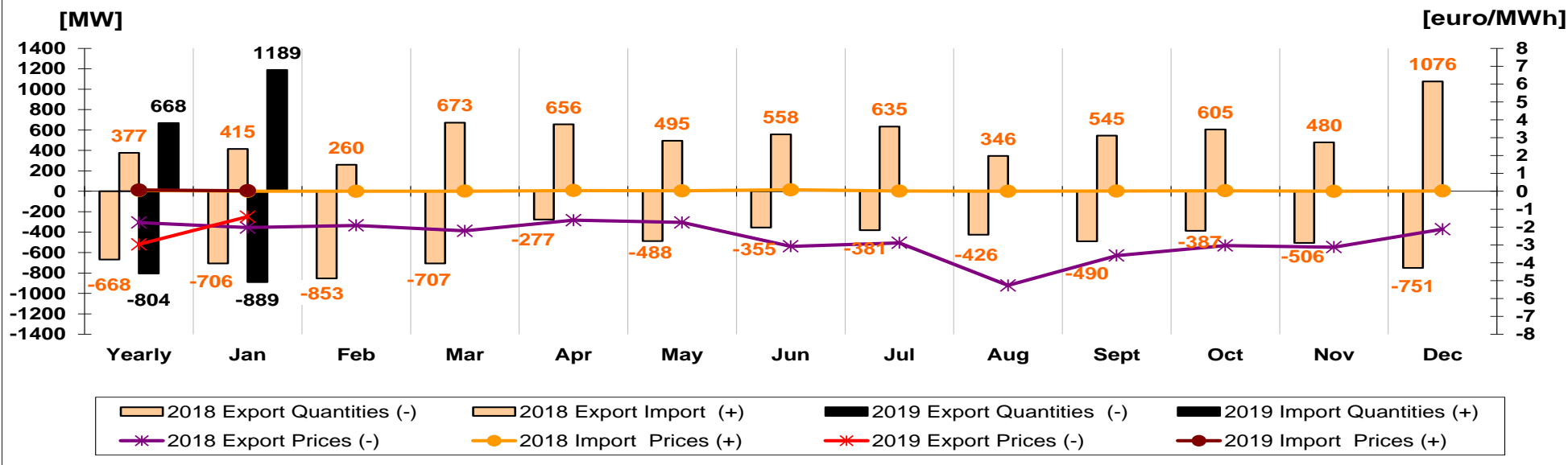


Border	Yearly	Jan. 19	Feb. 19	Mar. 19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19
Bulgaria export	0.51	0.47											
Bulgaria import	5.60	2.67											

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

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

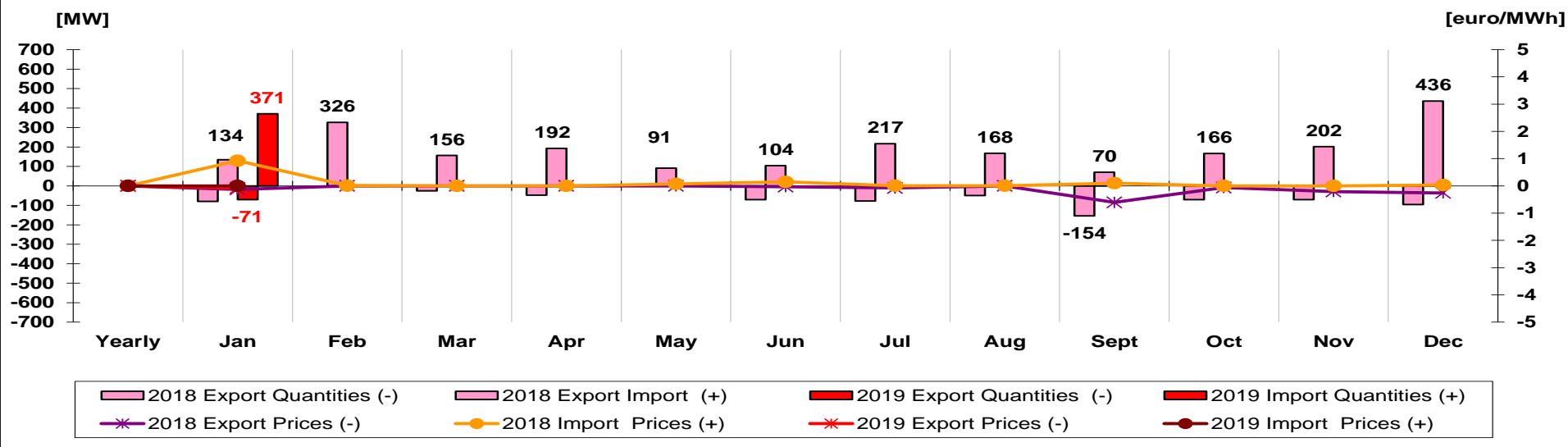


Border	Yearly	Jan. 19	Feb. 19	Mar. 19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19
Serbia export	2.97	1.42											
Serbia import	0.07	0.03											

Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Serbia export	1.75	2.03	1.91	2.22	1.62	1.75	3.08	2.89	5.27	3.60	3.04	3.12	2.12
Serbia import	0.05	0.00	0.00	0.01	0.04	0.03	0.08	0.01	0.00	0.01	0.03	0.00	0.02

- Compared with previous year, in January 2019 the auction price decreased on export direction, while offered capacity and capacity request were higher. In January 2019, monthly auction price was low on import direction, while offered capacity did not vary and capacity request was higher.

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

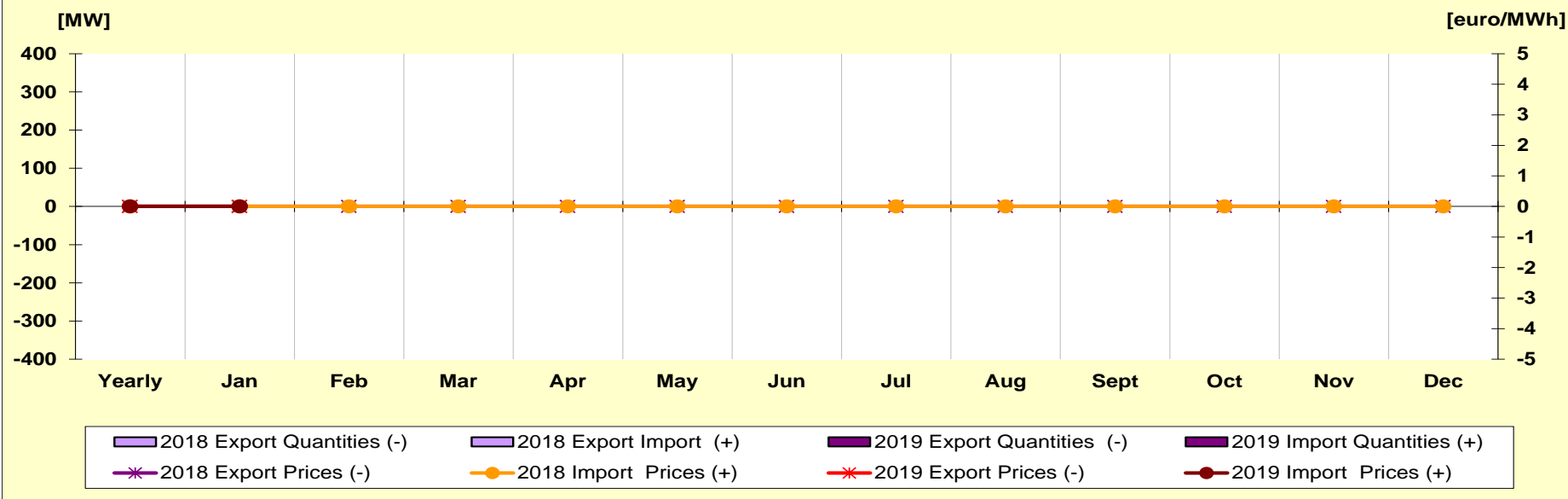


Border	Yearly	Jan. 19	Feb. 19	Mar. 19	Apr. 19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19
Ukraine export	-	0.08											
Ukraine import	-	0.00											

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 January 2019 the capacity request increased and the auction price was zero on import direction, while the offered capacity was higher. Compared with similar month of the previous year, in January 2019 the auction price decreased on export direction while the offered capacity did not vary and capacity request was lower.

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

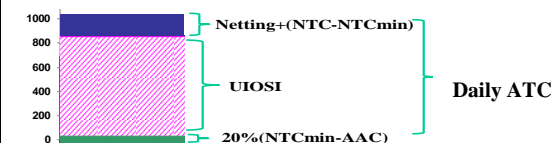


Border	Yearly	Jan. 19	Feb. 19	Mar. 19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19
Moldavia export	-	-											
Moldavia import	-	-											

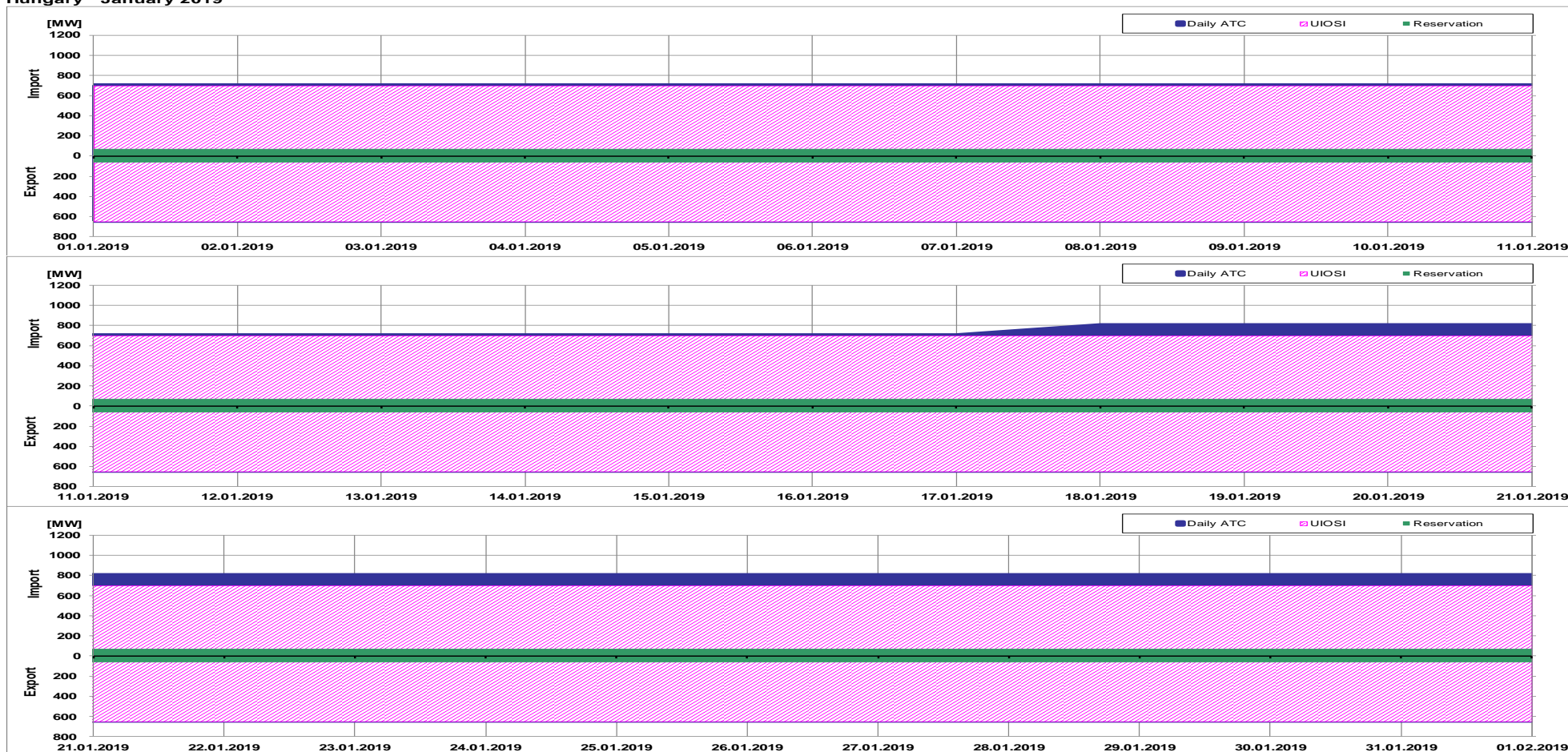
Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

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
60	70	584	630



Hungary January 2019





Societate Administrată în sistem Dualist

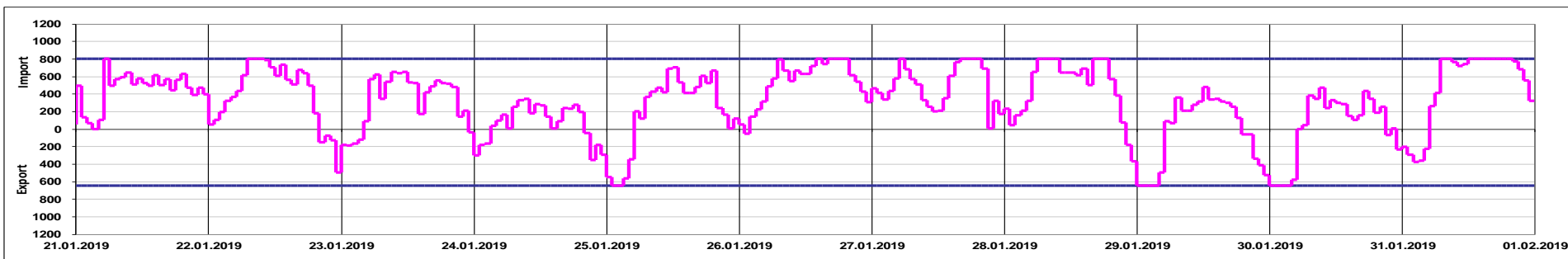
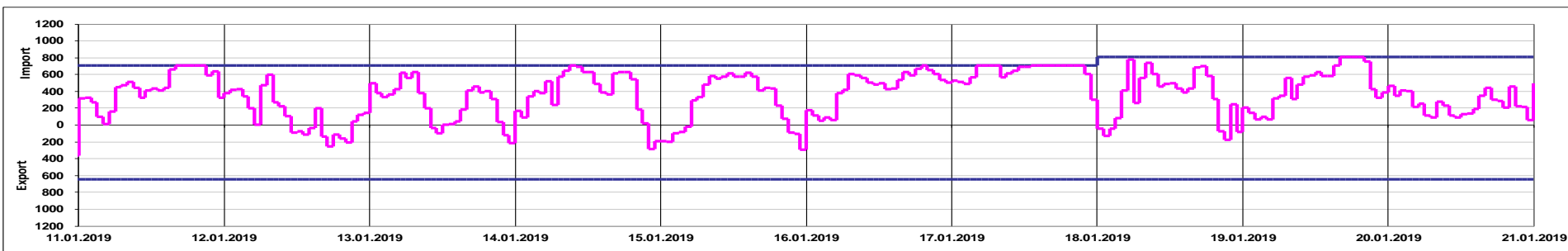
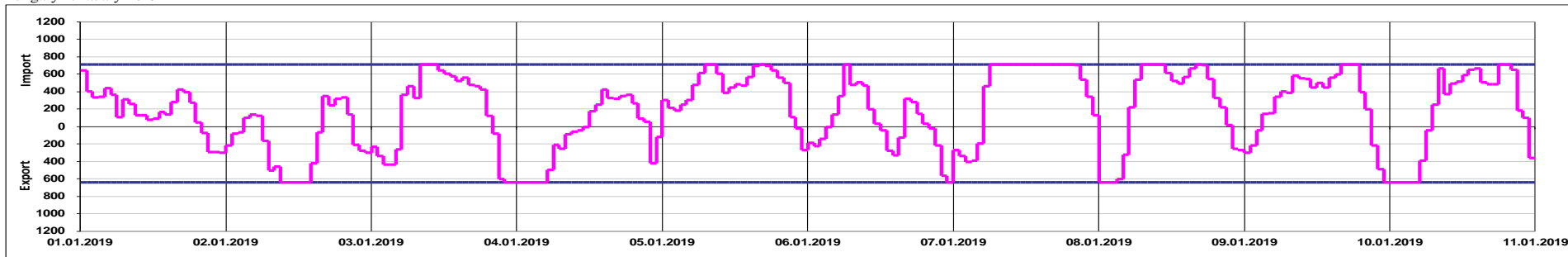
Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border



romania2019.eu
Președinția României la Consiliul Uniunii Europene

Hungary January 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	59.90	52.71	36.49	31.24	25.98	26.69	27.99	28.49	33.98	41.24	41.00	45.16	44.07	41.16	42.83	54.91	72.02	73.80	72.02	70.63	68.38	53.12	36.86	23.95	73.80
2	23.99	17.16	15.39	7.92	8.91	22.04	33.40	49.10	54.10	54.10	46.90	41.00	42.64	49.71	61.08	65.46	72.69	75.04	74.83	73.06	72.69	72.69	70.00	59.48	75.04
3	52.16	45.06	42.11	42.05	43.17	49.04	66.25	115.78	104.24	106.22	99.97	95.02	95.04	83.89	83.37	83.35	116.64	96.49	83.93	75.98	72.00	67.08	32.55	10.72	116.64
4	50.31	30.00	25.94	25.48	27.66	47.46	64.04	69.95	66.96	69.16	68.64	70.49	70.26	70.54	74.09	84.83	117.93	128.65	122.22	119.86	121.79	104.81	111.28	85.18	128.65
5	64.23	51.05	44.95	39.05	39.05	47.50	57.34	66.23	66.23	69.82	71.96	70.52	68.26	64.25	62.09	65.08	96.45	74.80	74.80	72.66	65.15	58.46	54.67	46.31	96.45
6	50.81	47.95	46.07	42.86	43.01	46.31	49.09	48.25	60.03	66.02	69.97	70.08	66.06	57.49	53.93	58.92	64.85	71.04	72.07	68.45	72.67	59.85	56.78	36.01	72.67
7	49.01	48.46	46.60	46.02	47.00	50.52	79.54	99.79	111.69	117.91	103.97	96.47	94.27	88.10	88.11	90.04	120.05	119.87	117.91	101.18	77.08	70.01	68.94	61.89	120.05
8	38.97	36.54	34.56	39.76	42.77	63.05	75.30	112.82	119.62	104.79	94.80	94.35	94.63	90.09	91.58	90.59	112.82	99.68	87.96	81.99	78.08	71.45	72.67	63.01	119.62
9	46.49	42.78	36.24	32.38	38.60	49.86	74.84	90.06	96.50	104.99	96.50	107.03	110.10	107.22	94.49	96.50	117.94	103.99	87.90	81.07	74.84	66.04	58.00	36.24	117.94
10	42.75	36.21	34.28	34.28	36.21	52.03	67.91	81.59	96.42	119.99	119.99	119.99	119.99	116.90	104.94	117.85	130.70	130.70	128.56	113.90	86.83	76.99	74.04	70.99	130.70
11	69.52	62.96	55.60	52.24	52.30	62.07	71.60	78.00	85.01	81.47	77.82	74.77	72.56	71.84	74.08	80.18	128.42	128.75	128.42	128.42	118.79	83.72	85.61	72.00	128.75
12	72.97	67.93	61.19	57.78	54.02	53.62	48.97	67.86	78.00	77.19	74.46	72.51	68.76	63.03	61.89	66.05	74.63	82.50	84.14	83.40	78.00	74.63	72.49	70.02	84.14
13	70.02	55.03	48.93	45.81	44.90	42.64	49.04	45.83	60.02	72.46	74.60	78.06	70.33	55.78	52.09	67.08	88.01	126.02	101.05	93.06	78.07	74.60	61.79	42.64	126.02
14	45.84	40.03	27.47	26.00	30.14	53.54	105.05	106.88	106.88	128.25	117.07	115.00	115.00	96.83	94.74	99.74	118.21	114.99	102.21	96.11	106.88	80.67	84.96	72.46	128.25
15	65.20	59.12	54.83	48.20	51.01	67.98	72.46	119.93	119.93	128.25	123.66	115.06	119.90	106.88	115.04	125.01	128.25	130.67	127.40	115.02	108.46	93.59	81.23	66.05	130.67
16	68.83	61.07	46.71	38.00	46.05	58.14	75.50	89.38	96.26	101.00	89.92	85.02	84.96	83.39	81.01	89.90	126.60	134.91	133.04	128.28	128.28	115.22	100.88	76.08	134.91
17	70.48	63.14	59.01	58.01	61.89	74.54	130.28	138.82	138.82	137.89	130.28	128.34	128.34	128.14	128.14	130.28	138.82	138.82	138.82	138.82	127.29	74.54	69.38	66.21	138.82
18	58.04	48.30	47.56	47.57	52.25	67.82	80.31	107.99	104.93	99.17	89.95	91.07	91.05	87.93	85.02	87.76	105.02	108.01	99.83	84.43	78.08	71.90	69.07	61.65	108.01
19	63.98	53.19	52.00	51.50	51.68	53.10	66.30	74.28	80.00	86.81	92.06	91.10	93.65	83.94	85.95	89.64	127.96	138.62	138.62	117.50	86.10	79.67	74.43	66.14	138.62
20	54.95	50.94	51.17	49.37	49.65	50.00	49.69	51.91	54.10	58.98	62.56	63.23	62.37	58.10	57.47	61.10	70.04	88.53	90.07	80.04	80.07	72.17	65.92	57.26	90.07
21	58.86	52.90	53.42	51.00	51.29	62.57	80.01	89.91	96.72	94.16	86.22	85.48	85.09	87.28	84.12	87.43	99.94	128.10	127.73	119.15	110.03	108.57	97.93	77.03	128.10
22	71.31	63.28	61.73	60.09	61.39	67.08	92.05	124.53	124.53	123.20	106.44	110.00	107.09	97.09	89.84	84.00	91.93	103.27	91.45	77.75	74.29	67.91	63.00	54.92	124.53
23	63.82	54.00	52.99	52.69	53.50	60.96	72.97	84.98	91.96	95.18	99.83	107.03	120.00	119.05	116.82	116.82	127.44	136.05	129.99	120.07	99.03	80.04	72.00	67.76	136.05
24	67.98	62.41	60.75	56.71	58.41	67.67	76.99	98.79	106.40	105.08	100.00	98.01	93.00	91.84	90.70	92.39	96.00	106.06	109.30	102.15	86.01	74.09	68.87	63.09	109.30
25	60.80	58.02	54.40	56.55	57.63	60.70	71.98	91.00	98.83	96.81	89.99	84.43	79.90	76.08	73.58	73.37	74.96	78.35	76.20	73.26	71.26	58.38	57.09	59.73	98.83
26	47.09	44.24	42	40.16	40.10	41.94	45.69	52.04	66.21	74.21	73.37	81.94	79.99	71.26	71.26	71.26	107.21	136.64	126.13	98.80	70.98	66.56	63.07	47.97	136.64
27	55.25	45.95	41.55	39.55	40.53	41.55	44.00	52.05	64.24	69.05	71.15	70.00	66.95	62.33	60.21	60.23	82.92	98.64	87.52	86.91	69.01	67.52	61.01	47.01	98.64
28	45.54	42.46	40.20	39.21	40.80	46.98	64.97	73.25	89.92	71.15	70.32	67.00	65.45	64.97	64.17	63.10	66.95	73.25	68.25	65.00	59.23	55.63	55.02	48.08	89.92
29	42.60	41.87	41.87	42.51	44.77	51.04	60.02	71.75	73.90	74.50	72.21	73.67	72.20	70.25	70.09	70.73	73.25	77.99	77.84	73.25	68.36	63.78	59.73	52.00	77.99
30	49.90	43.90	45.81	41.99	46.50	52.48	63.93	73.28	80.03	86.08	79.98	79.91	74.48	71.18	73.28	75.02	77.48	82.29	78.24	77.69	70.95	66.42	59.93	52.09	86.08
31	50.39	47.20	46.90	45.21	46.00	51.93	62.67	73.32	77.35	75.69	73.15	70.08	71.43	70.89	73.32	70.20	83.58	88.01	85.73	73.95	67.02	59.87	62.06	50.60	88.01

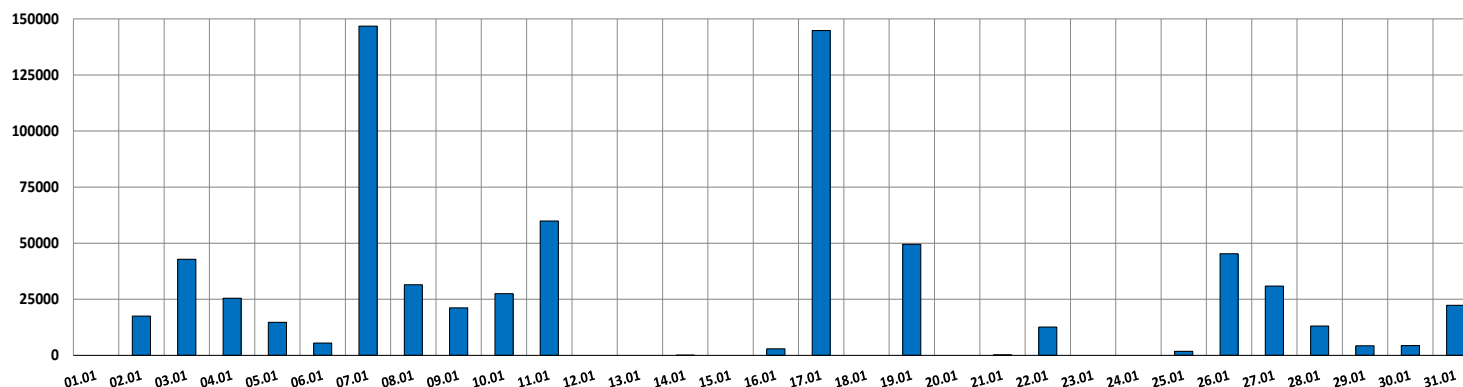
Average 75.01 EUR/MWh

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
2	-	-	-	-	-	-	-	-	-	2.82	9.97	19.07	16.43	6.14	-	-	-	-	-	-	-	-	-	-	19.07
3	-	-	-	-	-	-	-	-	20.29	21.19	18.04	-	-	-	-	-	-	-	-	-	-	-	27.48	40.36	40.36
4	-	19.43	21.43	20.58	17.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.43
5	-	-	-	-	-	-	-	13.16	0.16	-	-	-	-	-	-	-	28.29	-	-	-	-	-	-	-	28.29
6	-	-	-	-	-	-	1.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.12	15.12
7	-	-	-	-	-	-	17.54	28.69	36.86	42.82	28.74	21.02	20.36	15.05	15.35	17.02	48.78	45.47	46.87	31.29	-	-	-	-	48.78
8	12.43	6.45	6.44	-	-	-	-	2.65	29.61	10.83	4.73	-	-	-	-	-	18.21	-	-	-	-	-	-	-	29.61
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.66	13.95	2.92	-	-	-	-	14.76	29.66
10	9.38	13.77	13.62	13.13	12.15	-	-	-	-	-	-	-	-	-	-	-	-	-	4.54	16.83	-	-	-	-	16.83
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.38	33.89	28.37	38.35	30.69	-	-	-	38.38
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
14	-	-	-	-	-	-	-	-	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
17	-	-	-	-	1.96	9.49	56.25	11.30	-	-	-	-	-	7.21	48.19	50.25	37.25	44.13	48.89	50.81	42.36	2.07	-	-	56.25
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.04	33.68	38.57	22.49	-	-	-	-	38.57
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54
22	-	-	-	-	-	-	-	4.45	14.59	12.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.59
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	1.48	4.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.18
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.79	-	7.27	40.28	45.29	13.87	-	-	-	-	45.29
27	-	-	-	-	-	1.29	-	-	-	-	-	-	-	-	-	-	16.94	28.56	16.07	13.84	-	-	-	-	28.56
28	-	-	-	-	-	-	-	3.22	19.98	1.08	-	-	-	-	-	-	2.00	5.20	1.00	-	-	-	-	-	19.98
29	5.57	3.63	2.80	1.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.57
30	1.35	5.65	2.10	4.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.65
31	-	-	-	-	-	-	-	0.06	0.47	-	-	-	2.63	2.97	5.05	0.39	14.57	14.60	12.73	1.89	-	-	-	-	14.60

Average **17.44 EUR/MWh**

Congestion Income RO

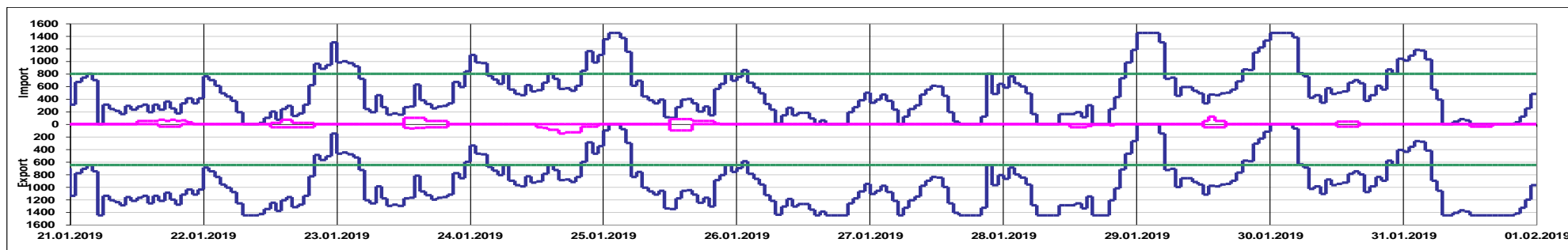
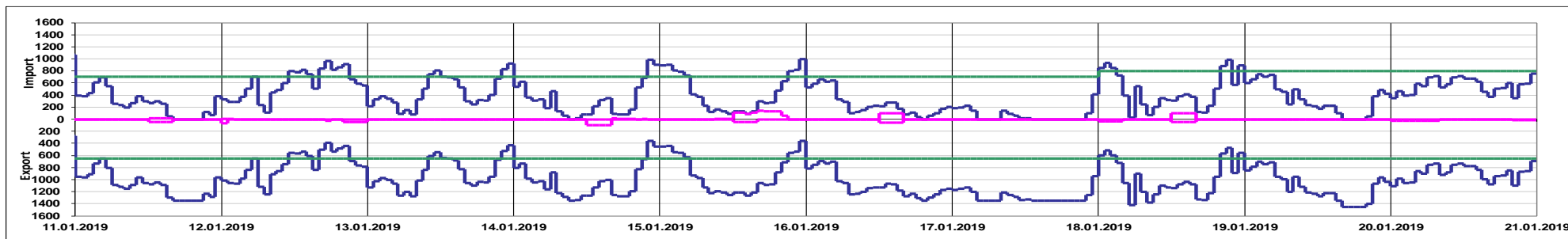
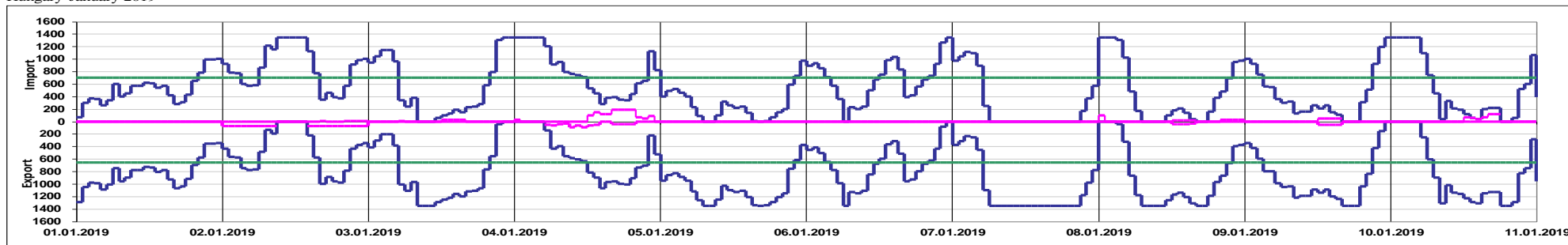


Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.01	0	0
02.01	35053	17526
03.01	85710	42855
04.01	50940	25470
05.01	29377	14688
06.01	10930	5465
07.01	293597	146799
08.01	62923	31462
09.01	42356	21178
10.01	55047	27524
11.01	119794	59897
12.01	0	0
13.01	0	0
14.01	141	71
15.01	0	0
16.01	5810	2905
17.01	289573	144786
18.01	0	0
19.01	98961	49480
20.01	0	0
21.01	435	218
22.01	25179	12590
23.01	0	0
24.01	0	0
25.01	3645	1823
26.01	90675	45338
27.01	61820	30910
28.01	26179	13089
29.01	8559	4279
30.01	8700	4350
31.01	44620	22310
Total	1450026	725013

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
226096	1223931	205031	1053662
1450026		1258693	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
191333	95667

Hungary January 2019



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

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

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

Intraday Auctions on Romanian – Hungarian border

Auction Price [Euro/MWh] - Export

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

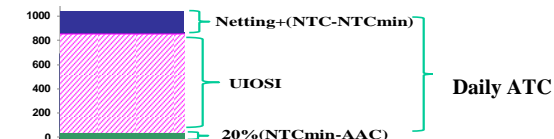
Hunagry January 2019

Auction Price [Euro/MWh] - Import

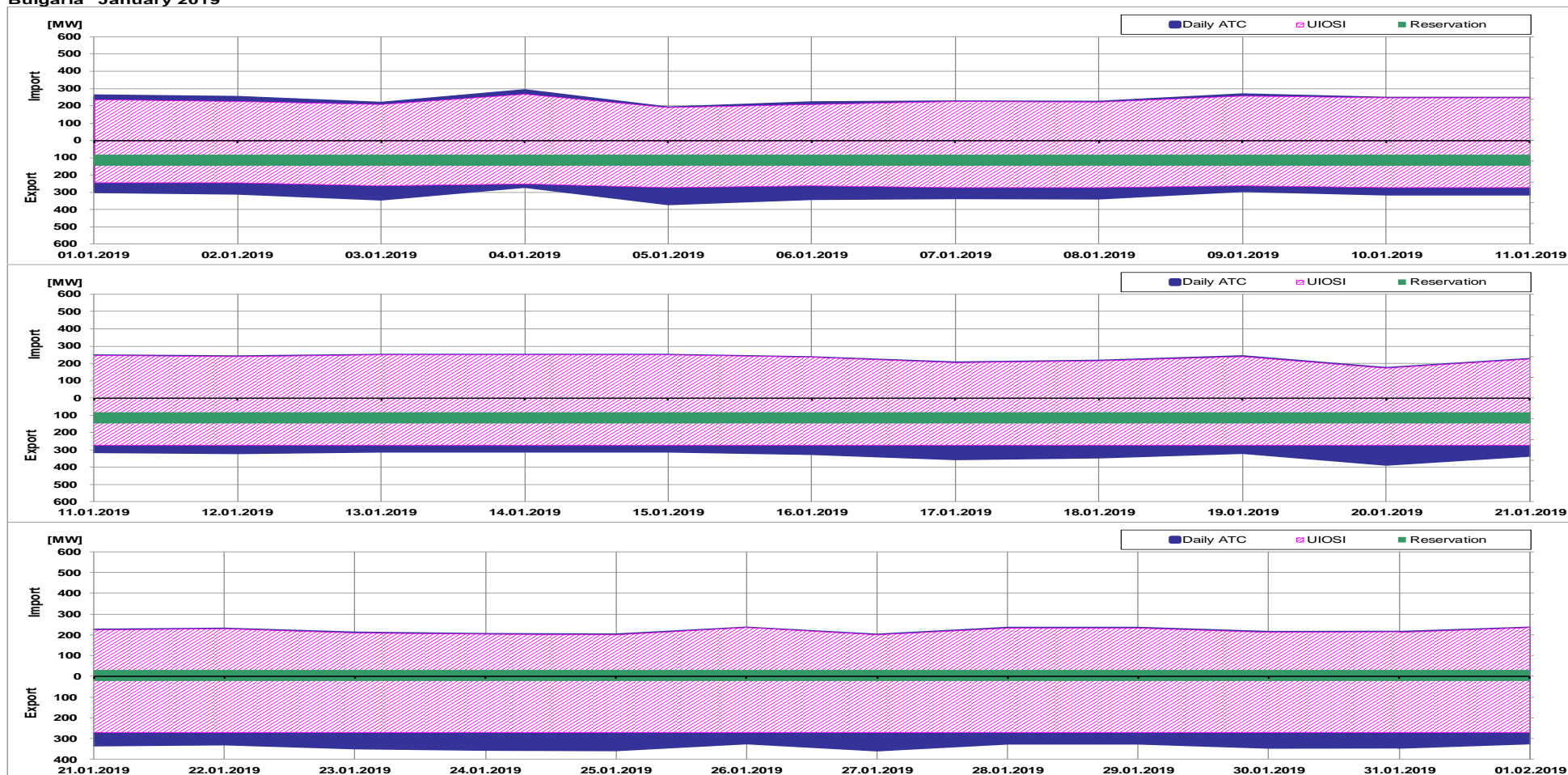
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
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
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	0.00	0.01	0.01	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.01
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
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
17	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
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
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00
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
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
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

Hunagry January 2019

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
21	30	225	192



Bulgaria January 2019





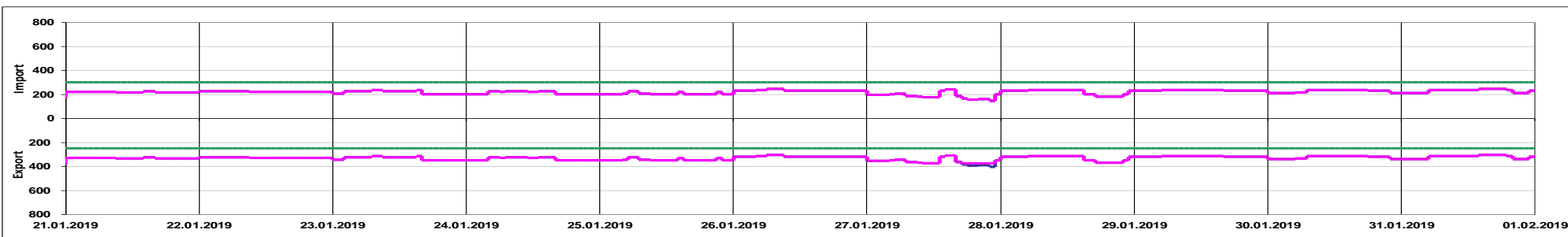
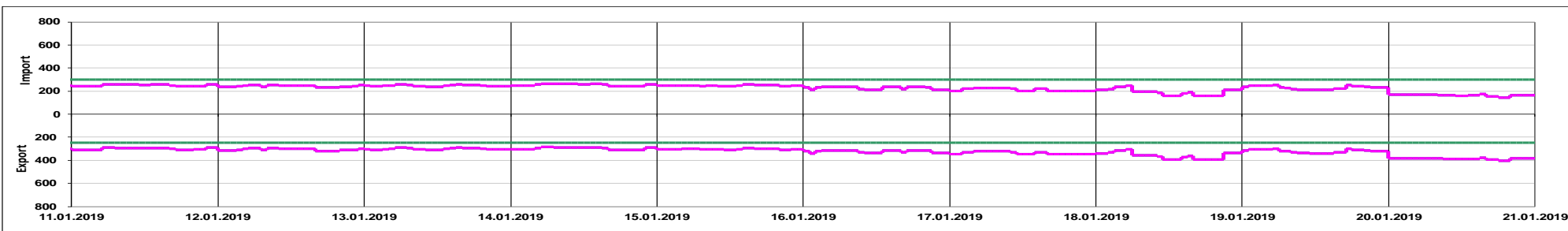
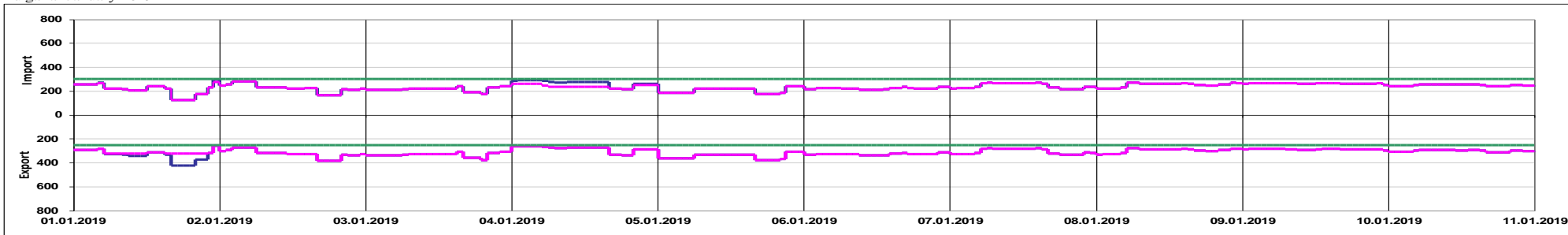
Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border



Bulgaria January 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	0.05	0.05	0.05	0.05	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.55	0.55
2	0.14	0.14	0.28	0.33	0.33	0.38	0.38	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.01	0.01	0.01	0.01	0.09	0.06	0.06	0.09	0.38
3	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.56	0.35	0.35	0.17	0.17	0.36	0.36	0.36	0.36	0.56
4	0.85	0.85	0.85	0.85	0.85	0.17	0.17	0.13	0.13	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.06	0.85
5	0.09	0.09	0.09	0.09	0.09	0.09	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.06	0.06	0.06	0.06	0.06	0.09	0.20	0.20	0.20
6	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.17	0.17	0.17
7	0.05	0.05	0.05	0.05	0.05	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
8	0.08	0.08	0.08	0.08	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.16	0.16	0.16	0.16
9	0.14	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.24	0.24	0.24	0.24
10	0.16	0.16	0.16	0.16	0.16	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.16
11	0.06	0.13	0.06	0.06	0.13	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.06	0.15
12	0.22	0.22	0.22	0.22	0.22	0.22	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.22
13	0.05	0.05	0.05	0.05	0.05	0.07	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	0.07
14	0.06	0.06	0.06	0.06	0.06	0.11	0.11	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	0.11	0.11
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	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
16	0.23	0.13	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.13	0.13	0.13	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.13	0.13	0.13	0.23
17	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12
18	0.20	0.20	0.20	0.22	0.22	0.22	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.11	0.11	0.13	0.11	0.11	0.11	0.11	0.11	0.20	0.20	0.20	0.22
19	0.05	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.11
20	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10
21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
22	0.23	0.23	0.23	0.23	0.23	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.23
23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.21	0.21	0.23	0.23	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.23
24	0.21	0.21	0.21	0.21	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.23
25	0.21	0.21	0.21	0.21	0.21	0.23	0.23	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.20	0.20	0.23
26	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22
27	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.10	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10
28	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.11	0.11	0.13	0.15	0.15
29	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
30	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
31	0.13	0.13	0.13	0.13	0.13	0.15	0.15	0.17	0.13	0.13	0.13	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.15	0.13	0.11	0.11	0.11	0.13	0.17

Bulgaria

January 2019



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities



Daily Auctions on Romanian – Bulgarian border

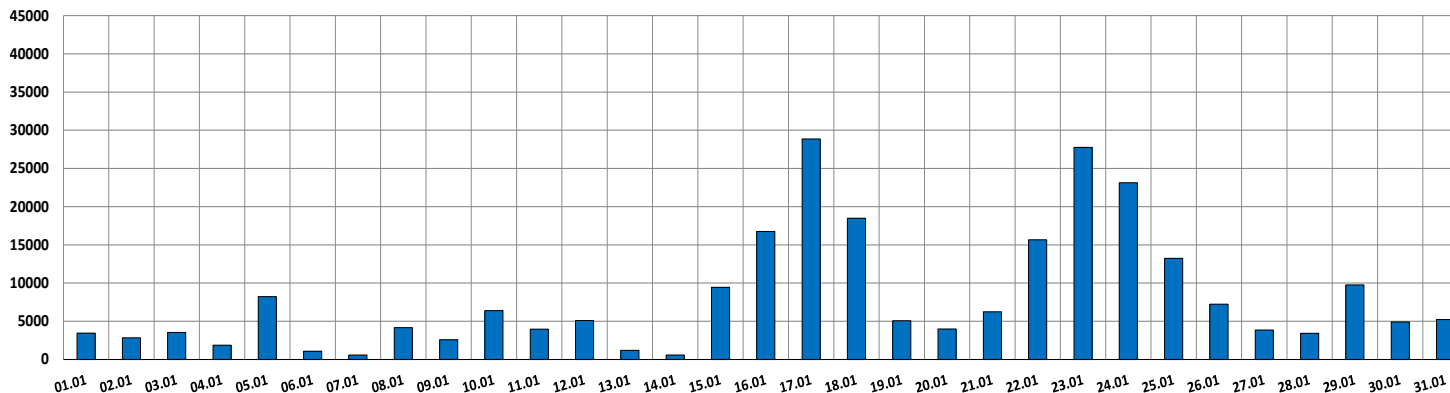
Auction Price [Euro/MWh] – Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.05	0.05	0.05	0.05	0.00	0.55	0.55	0.55	0.88	1.13	0.88	0.88	0.55	0.55	0.55	0.88	8.96	8.96	8.96	8.00	1.13	0.88	0.37	0.00	8.96
2	0.66	0.55	0.55	0.55	0.13	0.13	0.55	0.55	0.55	0.55	0.55	0.66	0.66	0.66	0.66	0.60	3.00	3.00	3.00	3.00	0.82	0.92	0.81	0.66	3.00
3	1.55	1.55	1.55	1.55	1.55	1.55	0.45	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.05	0.75	0.75	0.75	1.25	1.20	1.20	1.20	0.79	1.55
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	2.50	2.50	2.50	2.47	0.00	0.00	0.00	0.00	2.50
5	3.96	2.96	2.96	2.96	2.96	2.20	2.20	2.94	3.55	4.50	4.50	3.84	3.25	2.41	2.25	2.25	6.50	4.50	4.50	4.50	2.68	2.20	1.47	1.47	6.50
6	0.17	0.17	0.08	0.08	0.08	0.17	0.17	0.17	0.17	0.28	0.32	0.28	0.22	0.22	0.17	0.17	0.62	0.33	0.17	0.17	0.17	0.17	0.08	0.08	0.62
7	0.11	0.11	0.11	0.11	0.11	0.09	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
8	0.56	0.56	0.56	0.56	0.56	0.34	0.56	2.56	2.56	2.56	2.50	2.50	1.11	1.11	1.11	1.40	2.00	1.50	1.50	0.69	0.45	0.45	0.45	0.45	2.56
9	0.56	0.55	0.55	0.55	0.55	0.55	0.56	1.30	0.86	0.60	0.60	0.60	0.60	0.60	0.60	0.56	0.60	0.94	1.07	0.56	0.56	0.56	0.56	0.55	1.30
10	0.30	0.30	0.30	0.30	0.55	0.55	0.61	0.73	1.37	0.62	0.62	0.64	2.53	2.56	0.62	2.56	5.15	5.80	7.50	5.80	4.41	4.12	0.52	0.44	7.50
11	0.62	0.62	0.62	0.55	0.55	0.17	0.31	0.62	0.77	1.02	0.62	0.62	0.62	0.55	0.55	0.62	0.97	5.50	6.10	2.44	2.88	0.62	0.41	0.35	6.10
12	1.10	1.10	1.10	1.10	1.10	0.22	0.62	0.62	1.39	2.56	2.56	1.39	1.10	1.10	0.62	0.62	1.39	4.55	4.55	4.15	1.78	1.10	1.10	0.62	4.55
13	0.10	0.10	0.10	0.10	0.10	0.10	0.22	0.22	0.77	0.77	0.77	0.22	0.22	0.22	0.22	0.22	0.52	0.77	0.77	0.77	0.36	0.14	0.14	0.14	0.77
14	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.15	0.33	0.33	0.33	0.11	0.13	0.11	0.13	0.33
15	0.43	0.43	0.43	0.43	0.43	0.22	0.80	3.81	5.50	7.31	3.81	3.81	3.81	3.81	2.25	5.50	7.31	7.85	5.50	4.51	3.93	0.80	0.62	0.54	7.85
16	0.27	0.55	0.27	0.27	0.27	0.27	1.24	3.15	10.00	10.08	9.54	7.70	5.26	3.49	3.15	7.59	12.55	14.00	14.00	11.79	12.55	8.71	3.30	0.55	14.00
17	2.10	1.15	0.94	0.94	0.61	0.31	2.00	11.52	17.00	18.00	18.00	22.00	22.00	22.00	16.74	15.16	21.06	21.58	19.18	16.66	11.76	7.29	1.41	1.41	22.00
18	0.11	0.09	0.07	0.07	0.05	0.05	3.90	16.76	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	18.58	10.12	2.69	5.07	5.55	0.19	0.11	0.09	18.58
19	0.33	0.33	0.33	0.41	0.33	0.25	0.66	0.66	2.50	2.50	2.45	2.23	3.10	4.50	2.50	2.00	2.50	4.50	3.08	2.50	0.66	0.88	1.00	2.50	4.50
20	1.32	1.32	1.32	1.32	1.32	1.47	1.44	1.94	1.94	1.94	2.32	2.56	2.32	2.32	1.94	1.25	1.94	1.94	1.94	1.94	1.25	2.51	2.34	2.01	2.56
21	1.25	0.88	0.88	1.19	0.88	1.10	0.88	1.10	1.10	2.32	2.32	2.29	2.32	2.32	1.10	1.10	4.56	6.11	5.68	5.83	1.25	1.10	1.10	1.10	6.11
22	0.78	0.56	0.56	0.56	0.36	1.00	5.62	13.06	15.90	15.90	11.22	9.57	8.21	6.23	4.04	3.62	10.35	7.12	7.12	6.18	3.90	0.61	0.75	0.61	15.90
23	0.56	0.62	0.56	0.56	0.56	0.56	0.88	3.28	8.00	9.53	6.80	7.68	8.04	9.15	11.00	15.41	22.50	31.96	30.67	27.63	26.01	20.18	9.00	5.15	31.96
24	2.54	1.55	1.79	1.79	1.15	1.24	2.50	8.57	15.69	16.10	12.63	12.60	10.12	10.12	9.55	8.57	16.18	23.45	19.99	16.65	5.58	4.55	3.90	2.75	23.45
25	3.81	2.28	2.28	3.81	1.90	1.90	1.90	9.67	13.71	13.14	9.20	6.28	2.43	1.56	1.56	2.57	4.73	4.73	8.55	8.55	5.57	3.81	3.81	3.81	13.71
26	0.38	0.38	0.44	0.44	0.38	0.44	0.38	0.30	0.44	1.10	1.10	1.10	1.10	1.10	0.98	2.24	4.00	10.00	10.50	7.20	7.20	1.44	1.44	1.44	10.50
27	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.77	1.88	1.88	2.50	2.50	2.50	0.56	0.38	0.38	2.50	8.00	8.00	1.88	1.57	1.57	1.88	0.56	8.00
28	0.91	0.91	0.91	0.91	0.91	0.62	0.62	0.62	0.80	0.91	0.62	0.62	0.62	0.62	0.62	0.91	1.25	4.00	4.00	1.88	1.51	1.25	1.24	0.91	4.00
29	3.92	3.92	3.92	3.92	3.92	2.89	1.56	2.12	3.32	2.24	1.56	1.56	1.56	1.56	1.56	2.12	4.12	5.00	4.12	5.00	5.12	5.12	5.12	2.12	5.12
30	2.55	2.55	2.33	2.33	2.33	1.62	1.62	0.88	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.88	1.62	1.57	1.62	1.62	1.62	2.25	2.33	2.33	2.55
31	4.96	4.96	4.22	4.12	3.33	0.80	0.66	0.66	0.72	0.80	0.80	0.80	0.80	0.68	0.66	0.66	0.80	0.86	0.80	1.19	0.80	2.33	4.24	2.33	4.96

Bulgaria

January 2019

Congestion Income RO



Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.01	6894	3447
02.01	5667	2833
03.01	7053	3526
04.01	3747	1873
05.01	16474	8237
06.01	2176	1088
07.01	1157	578
08.01	8344	4172
09.01	5172	2586
10.01	12818	6409
11.01	7908	3954
12.01	10189	5095
13.01	2367	1184
14.01	1151	576
15.01	18901	9451
16.01	33492	16746
17.01	57692	28846
18.01	36989	18494
19.01	10117	5059
20.01	7980	3990
21.01	12482	6241
22.01	31345	15673
23.01	55512	27756
24.01	46256	23128
25.01	26474	13237
26.01	14462	7231
27.01	7705	3853
28.01	6850	3425
29.01	19515	9758
30.01	9819	4910
31.01	10468	5234
Total	497175	248587

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
35563	461612	24920	392625
497175		417544	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
79631	39815



Societate Administrată în sistem Dualist

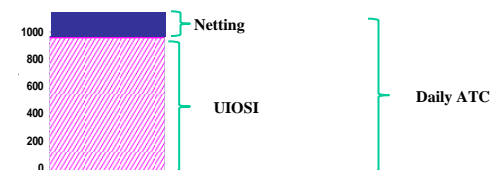
Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

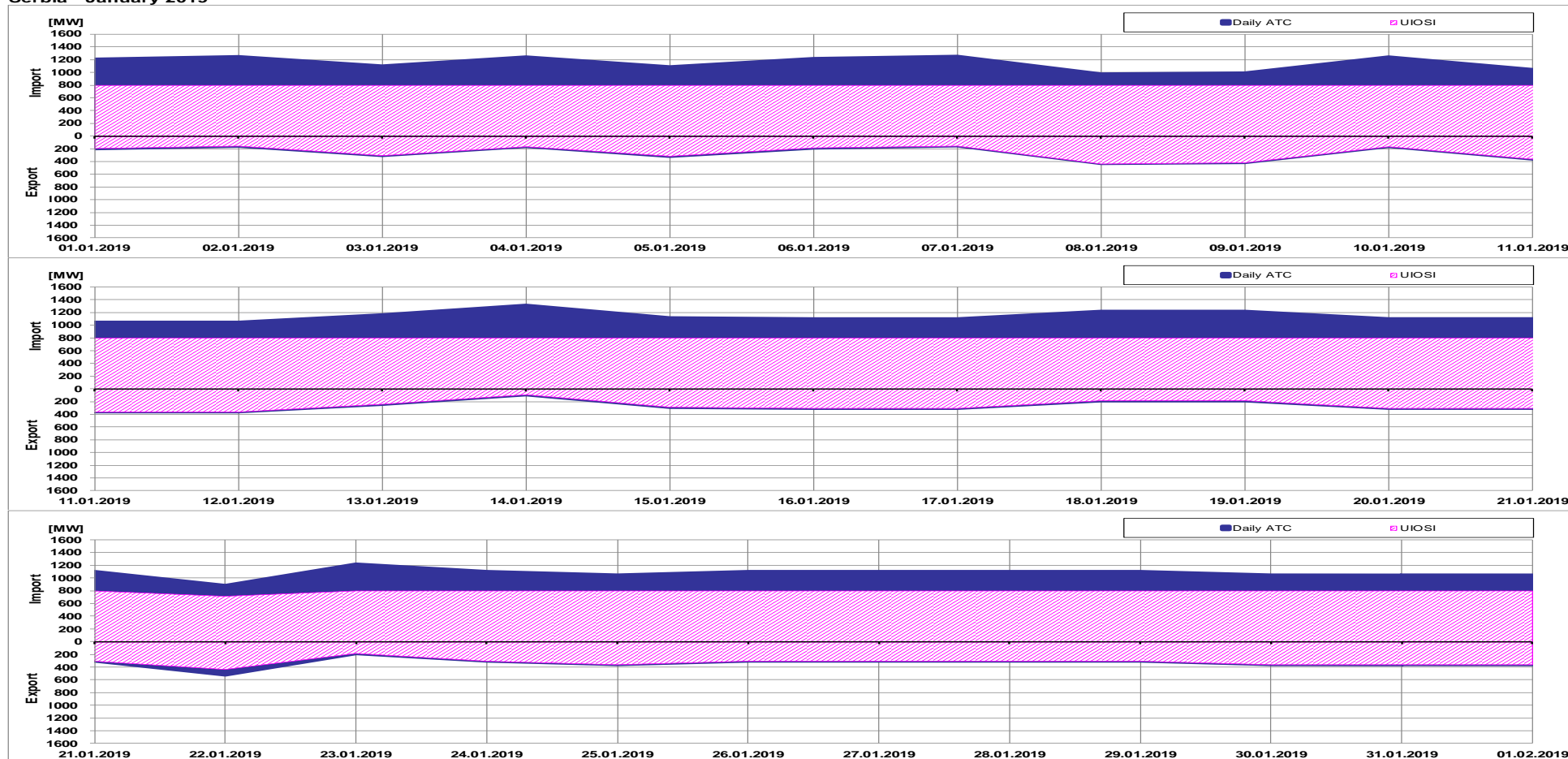


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Unused Capacity [MW] average value	
RO-RS	RS-RO
393	778



Serbia January 2019





Societate Administrată în sistem Dualist

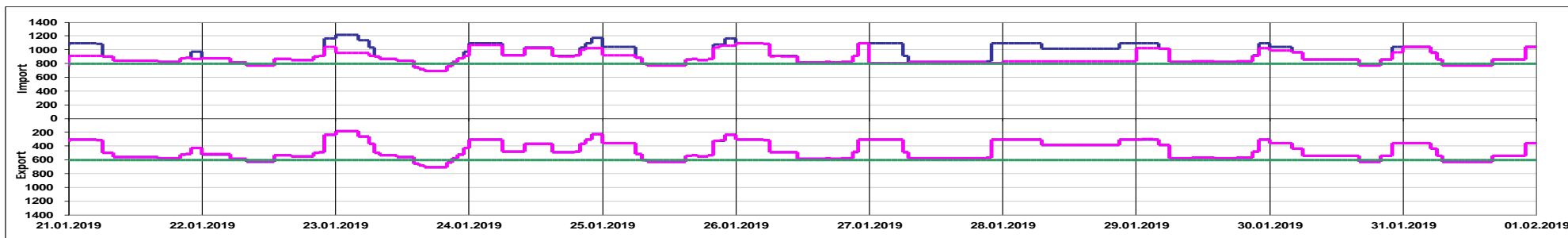
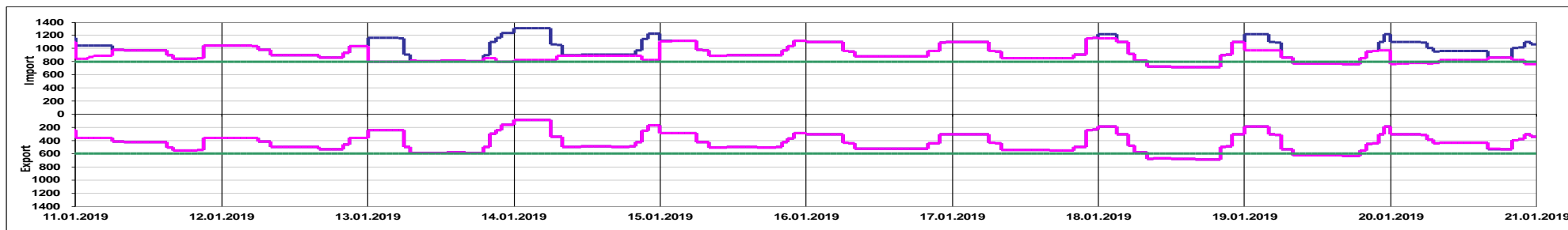
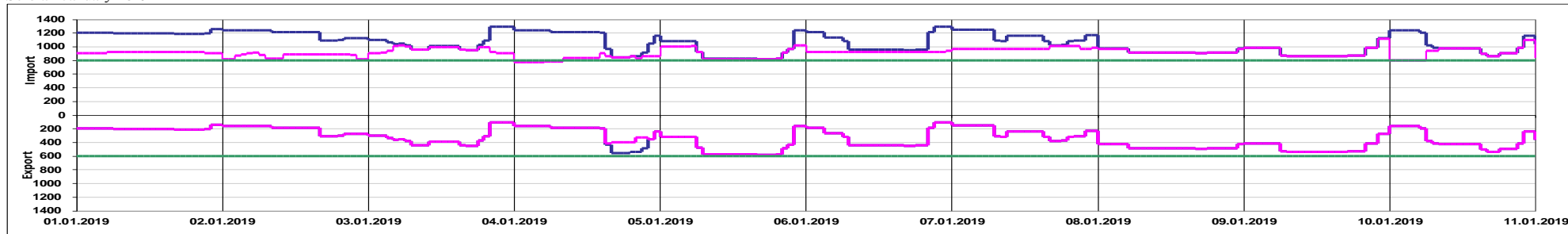
Market for Allocation of Cross-Border Capacities



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Daily Auctions on Romanian – Serbian border

Serbia January 2019



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	8.00	6.25	6.25	5.50	5.50	5.50	5.50	5.50	3.56	3.56	3.56	3.56	3.56	3.56	3.56	1.56	1.56	1.56	1.56	4.25	5.00	6.25	6.25	8.00	
2	8.00	6.25	6.25	5.25	5.25	5.25	5.25	4.00	1.55	1.55	1.55	1.55	1.55	1.55	1.55	0.26	0.26	0.26	0.26	0.57	0.57	0.57	0.57	8.00	
3	1.35	1.36	1.36	1.35	1.10	1.10	0.44	0.26	0.26	0.26	0.37	0.37	0.37	0.37	0.37	0.26	0.11	0.11	0.26	0.44	8.00	10.00	10.00	15.00	15.00
4	23.09	22.56	23.12	21.51	16.16	11.44	3.19	1.53	1.60	1.59	1.22	1.10	1.10	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	23.12
5	0.48	0.48	0.48	0.48	0.48	0.50	0.07	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.17	0.94	0.94	0.94
6	2.55	2.55	2.55	1.57	0.55	0.55	0.55	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.77	3.00	5.55	5.55	5.55
7	3.71	3.99	2.99	2.99	2.99	2.99	2.99	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.44	0.44	0.50	0.55	0.56	1.10	2.77	2.99	3.99	3.99
8	0.69	0.69	0.69	0.69	0.69	0.38	0.38	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.27	0.37	0.38	0.38	0.69
9	0.89	0.89	0.89	0.89	0.89	0.88	0.24	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.12	0.12	0.12	0.44	0.36	5.00	5.00	5.00
10	6.15	8.06	9.64	10.12	7.55	3.37	0.61	0.18	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.11	0.09	0.09	0.15	0.15	0.16	0.21	0.35	0.35	10.12
11	0.88	0.88	0.88	0.88	0.88	0.87	0.23	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.01	0.01	0.01	0.01	0.05	0.69	0.87	0.88	0.88
12	2.35	2.35	2.35	2.35	2.35	2.35	0.87	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.17	0.16	0.16	0.16	0.22	0.46	2.35	2.35	2.35
13	1.79	1.79	1.79	1.79	1.79	1.50	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.22	0.35	1.15	1.84	1.84
14	4.11	4.00	4.00	3.80	3.80	3.80	0.22	0.22	0.02	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.22	0.40	0.88	0.88	4.11
15	7.00	6.00	4.00	4.00	4.00	4.00	0.69	0.42	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.42	2.40	4.00	5.00	7.00
16	6.00	5.12	4.00	4.00	4.00	3.20	1.55	1.50	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.56	0.87	5.00	4.00	6.00
17	0.78	0.60	0.48	0.48	0.48	0.48	0.23	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.09	0.11	0.12	0.16	0.29	0.80	1.20	1.20
18	1.20	1.25	1.15	0.80	0.56	0.22	0.15	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	0.22	0.29	0.48	0.56	1.25
19	2.00	2.00	2.00	2.00	1.00	1.00	0.09	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.04	0.08	0.16	0.16	0.33	0.50	2.00
20	0.57	0.70	0.70	0.70	0.70	0.66	0.50	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.00	0.00	0.05	0.05	0.35	0.44	0.49	0.44	0.70
21	1.00	1.00	1.00	1.00	1.00	0.88	0.12	0.19	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.09	0.09	0.09	0.09	0.15	0.19	0.25	0.25	1.00
22	0.08	0.08	0.08	0.08	0.08	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.12	0.12	0.15	0.15	0.15	0.16	0.27	0.56	1.25	1.25	1.25
23	4.50	4.50	4.50	5.00	4.25	2.56	0.45	0.22	0.12	0.12	0.12	0.12	0.12	0.12	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.10	0.12	0.22	5.00
24	0.39	1.07	1.07	1.07	1.07	0.77	0.26	0.26	0.26	0.26	0.82	0.89	0.82	1.06	1.06	0.82	0.34	0.34	0.23	0.26	0.82	0.55	0.56	0.56	1.07
25	2.25	3.00	3.00	3.00	3.00	0.72	0.22	0.22	0.22	0.22	0.22	0.22	0.16	0.14	0.14	0.22	0.22	0.22	0.22	0.22	0.55	0.55	0.62	0.62	3.00
26	1.00	1.11	3.55	3.55	1.11	0.39	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	0.16	0.23	0.49	0.55	3.55
27	0.55	0.66	0.66	0.66	0.66	0.66	0.22	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	0.66	0.66	0.66
28	0.66	1.11	1.11	1.11	1.11	1.11	1.11	0.66	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.89	0.66	0.66	1.11
29	0.55	0.56	0.56	0.55	0.32	0.28	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.10	0.20	0.33	0.33	0.56
30	3.12	2.50	3.40	2.50	2.15	1.00	0.13	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.09	0.06	0.06	0.06	0.16	0.22	0.73	0.73	3.40
31	0.44	0.44	0.44	0.44	0.39	0.23	0.12	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.12	0.12	0.12	0.12	0.12	0.12	0.34	0.34	0.44

Serbia January 2019

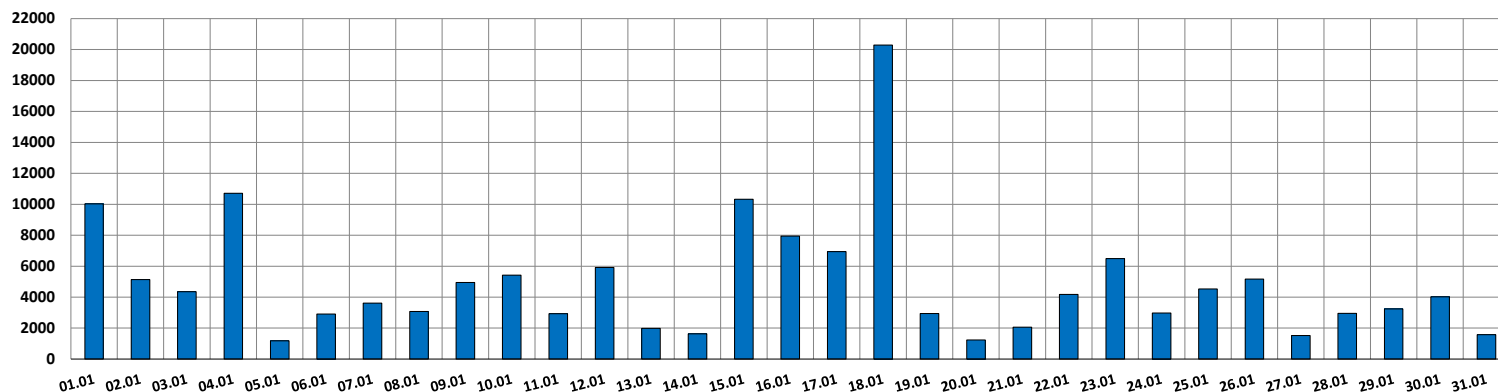
Daily Auctions on Romanian – Serbian border

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	0.00	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	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.05	0.08	0.08	0.08	0.05	0.01	0.01	0.00	0.00	0.11
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	0.05	0.05	0.05	0.05	0.05	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.15	0.12	0.12	0.12	0.12	0.11	0.11	0.05	0.15
9	0.11	0.11	0.11	0.11	0.11	0.11	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.11	0.11	0.01	0.01	0.24
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.35	0.39	0.39	0.35	0.12	0.12	0.05	0.00	0.00	0.39
11	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.08	0.08	0.11	0.11	0.11	0.11	0.11	0.15	0.35	0.35	0.39	0.39	0.39	0.39	0.02	0.02	0.39
12	0.02	0.02	0.02	0.02	0.02	0.02	0.09	0.12	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.34	0.35	0.35	0.35	0.35	0.34	0.11	0.02	0.35
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.07
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	0.02	0.02	0.02	0.02	0.02	0.02	0.20	0.45	0.55	0.55	0.56	0.56	0.56	0.55	0.55	0.39	0.39	0.39	0.39	0.39	0.35	0.12	0.03	0.03	0.56
16	0.03	0.03	0.03	0.03	0.03	0.03	0.12	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.12	0.06	0.15
17	0.05	0.05	0.05	0.05	0.05	0.35	1.00	1.00	1.20	1.20	1.20	1.20	1.00	0.60	0.60	0.72	0.72	0.39	0.39	0.36	0.35	0.22	0.02	0.02	1.20
18	0.00	0.00	0.00	0.01	0.01	0.10	2.80	2.80	3.00	3.00	2.80	3.52	3.52	3.52	4.10	3.52	3.52	3.52	4.10	3.52	2.60	1.15	0.09	0.06	4.10
19	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.12	0.12	0.12	0.12	0.12	0.12	0.36	0.36	0.55	0.65	0.65	0.55	0.10	0.04	0.00	0.00	0.65
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	0.03	0.03	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.12	0.12	0.12	0.12	0.07	0.06	0.00	0.00	0.12
22	0.11	0.15	0.15	0.15	0.25	0.45	0.56	0.56	0.65	0.65	0.65	0.56	0.56	0.35	0.35	0.35	0.25	0.25	0.25	0.25	0.10	0.05	0.00	0.00	0.65
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.06	0.05	0.05	0.05	0.09	1.00	1.15	1.55	1.55	1.55	1.55	0.25	0.12	0.01	0.00	1.55
24	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.05
25	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.17	0.12	0.12	0.12	0.12	0.17	0.17	0.11	0.11	0.12	0.12	0.11	0.00	0.00	0.00	0.00	0.17
26	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.06	0.09	0.09	0.09	0.22	0.22	0.35	0.35	0.60	0.80	0.80	0.80	0.80	0.80	0.22	0.01	0.01	0.80
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.11	0.12	0.12	0.12	0.11	0.11	0.00	0.00	0.00	0.12
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	0.01	0.02	0.25	0.44	0.88	0.88	0.88	0.56	0.25	0.25	0.25	0.09	0.11	0.11	0.11	0.11	0.11	0.02	0.00	0.00	0.88
30	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.09	0.09	0.09	0.05	0.05	0.00	0.00	0.09
31	0.02	0.02	0.02	0.02	0.02	0.03	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.09	0.15	0.15	0.09	0.06	0.06	0.02	0.02	0.15

Serbia January 2019

Congestion Income RO



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.01	20063	10032
02.01	10277	5139
03.01	8708	4354
04.01	21432	10716
05.01	2365	1182
06.01	5806	2903
07.01	7227	3613
08.01	6148	3074
09.01	9894	4947
10.01	10836	5418
11.01	5870	2935
12.01	11843	5921
13.01	3965	1982
14.01	3257	1629
15.01	20649	10325
16.01	15892	7946
17.01	13880	6940
18.01	40591	20296
19.01	5888	2944
20.01	2471	1235
21.01	4109	2055
22.01	8354	4177
23.01	12973	6487
24.01	5947	2973
25.01	9057	4528
26.01	10345	5172
27.01	3028	1514
28.01	5894	2947
29.01	6484	3242
30.01	8051	4026
31.01	3151	1576
Total	304455	152228

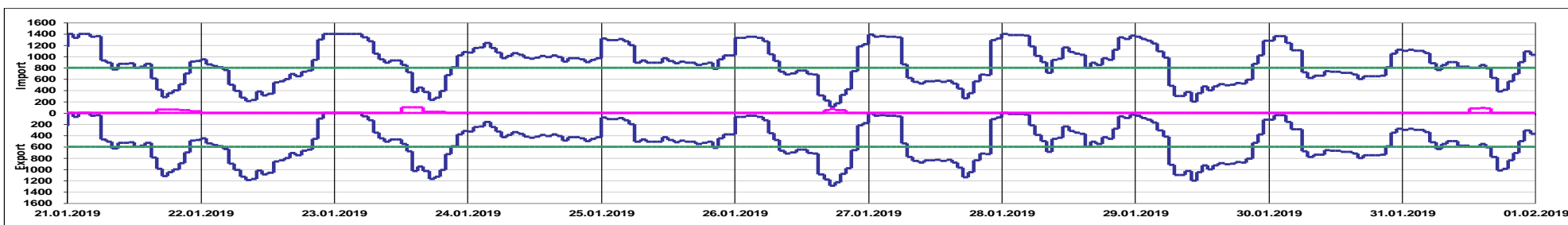
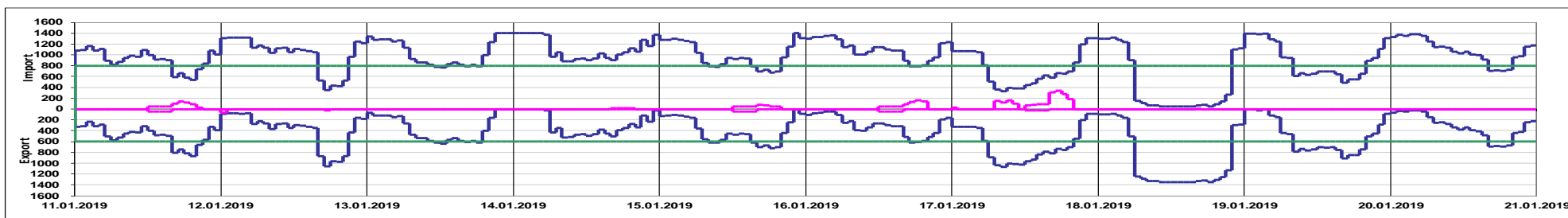
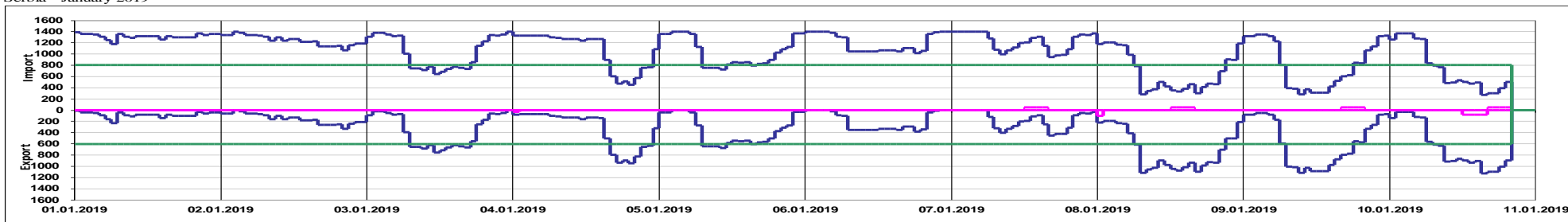
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
198895	105560	197515	93901
304455		291415	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
13040	6520

Intraday Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist

Serbia January 2019



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

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

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

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 10.01.2019, session 6 (21:00 – 24:00).

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
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-
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
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
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
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
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
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
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
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
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 January 2019

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 10.01.2019, session 6 (21:00 – 24:00).



Societate Administrată în sistem Dualist

Market for Allocation of Cross-Border Capacities



romania2019.eu
Președinția României la Consiliul Uniunii Europene

Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Import

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

Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 10.01.2019, session 6 (21:00 – 24:00).

Statistics on Annual Auction

2019		
Hungary export	Number of Capacity Traders	30
	Number of Capacity Holders	13
	Number of Bids	188
Hungary import	Number of Capacity Traders	24
	Number of Capacity Holders	14
	Number of Bids	50
Bulgaria export	Number of Capacity Traders	22
	Number of Capacity Holders	13
	Number of Bids	74
Bulgaria import	Number of Capacity Traders	23
	Number of Capacity Holders	8
	Number of Bids	138
Serbia export	Number of Capacity Traders	15
	Number of Capacity Holders	9
	Number of Bids	97
Serbia import	Number of Capacity Traders	13
	Number of Capacity Holders	9
	Number of Bids	58
Ukraine export	Number of Capacity Traders	-
	Number of Capacity Holders	-
	Number of Bids	-
Ukraine import	Number of Capacity Traders	-
	Number of Capacity Holders	-
	Number of Bids	-
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	-

2019	Maximum	Minimum
Number of Capacity Traders	30	13
Number of Capacity Holders	14	8
Number of Bids	188	50

Statistics on Monthly Auction

January 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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
	Number of Bids	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	
Hungary import	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	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	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
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	20	
	Number of Capacity Holders	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	Number of Bids	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
Bulgaria import	Number of Capacity Traders	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	Number of Capacity Holders	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	Number of Bids	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
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	10	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	Number of Bids	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
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	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	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
Ukraine export	Number of Capacity Traders	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	3	
	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	3	
	Number of Bids	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	11	
Ukraine import	Number of Capacity Traders	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Number of Capacity Holders	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Number of Bids	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	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

January 2019	Maximum	Minimum
Number of Capacity Traders	30	3
Number of Capacity Holders	14	3
Number of Bids	137	11

Statistics on Daily Auctions

January 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	6	8	9	9	6	6	8	10	10	9	10	7	8	9	10	8	10	9	7	8	9	10	9	10	9	6	6	8	7	7
	Maximum Number of Capacity Holders	4	6	6	8	7	4	4	4	7	6	6	7	7	7	5	6	6	7	8	7	6	6	6	6	6	6	6	4	6	5	6
	Maximum Number of Bids	26	20	22	21	28	21	19	24	25	29	23	29	22	23	26	25	25	30	24	21	25	25	29	24	26	24	19	19	25	27	22
Serbia Import	Maximum Number of Capacity Traders	8	6	9	8	9	7	7	10	8	9	9	9	6	7	8	8	12	12	11	7	8	11	10	8	8	10	7	6	9	5	7
	Maximum Number of Capacity Holders	8	6	9	8	8	7	7	8	7	8	8	7	6	7	6	6	9	9	9	7	8	9	8	8	8	8	7	6	8	5	7
	Maximum Number of Bids	22	22	24	23	25	21	23	30	29	29	32	35	22	23	33	30	44	46	33	23	32	38	41	28	27	36	23	20	33	22	36
Bulgaria Export	Maximum Number of Capacity Traders	7	6	8	10	7	6	7	8	9	11	10	9	7	8	8	8	7	7	6	5	5	8	8	7	9	6	6	6	7	7	
	Maximum Number of Capacity Holders	7	6	7	8	6	5	7	7	7	9	8	7	7	7	5	6	6	6	5	5	4	6	6	5	7	5	6	5	5	6	6
	Maximum Number of Bids	9	15	15	15	13	12	12	14	17	21	18	18	11	15	16	16	14	14	13	18	16	21	19	20	23	18	16	18	20	18	21
Bulgaria Import	Maximum Number of Capacity Traders	8	7	8	9	13	8	5	9	9	10	11	11	8	8	9	11	16	13	10	9	8	13	14	13	14	12	10	11	12	12	11
	Maximum Number of Capacity Holders	7	6	6	9	9	7	5	7	6	6	7	7	7	8	7	8	10	10	7	8	7	9	7	9	10	9	8	10	9	10	10
	Maximum Number of Bids	13	15	13	13	20	19	13	18	18	19	19	20	19	16	19	24	26	25	23	23	19	26	28	26	26	24	20	25	26	24	29

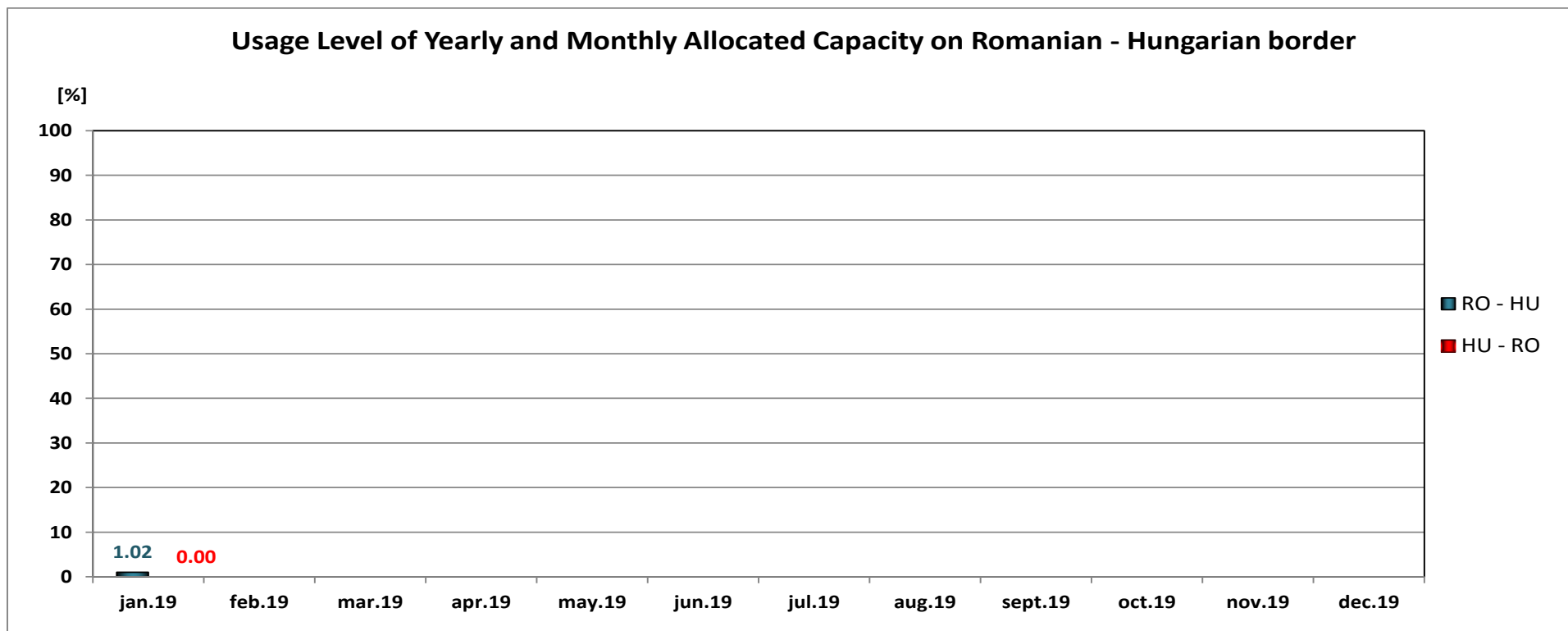
Note: In the table are presented the daily maximum hourly values.

Statistics on Intraday Auctions

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

Note: In the table are presented the daily maximum hourly values. Due to technical issues on Serbian IT platform, intraday auction was canceled for 10.01.2019, session 6 (21:00 – 24:00).

Usage Level of Allocated Capacity



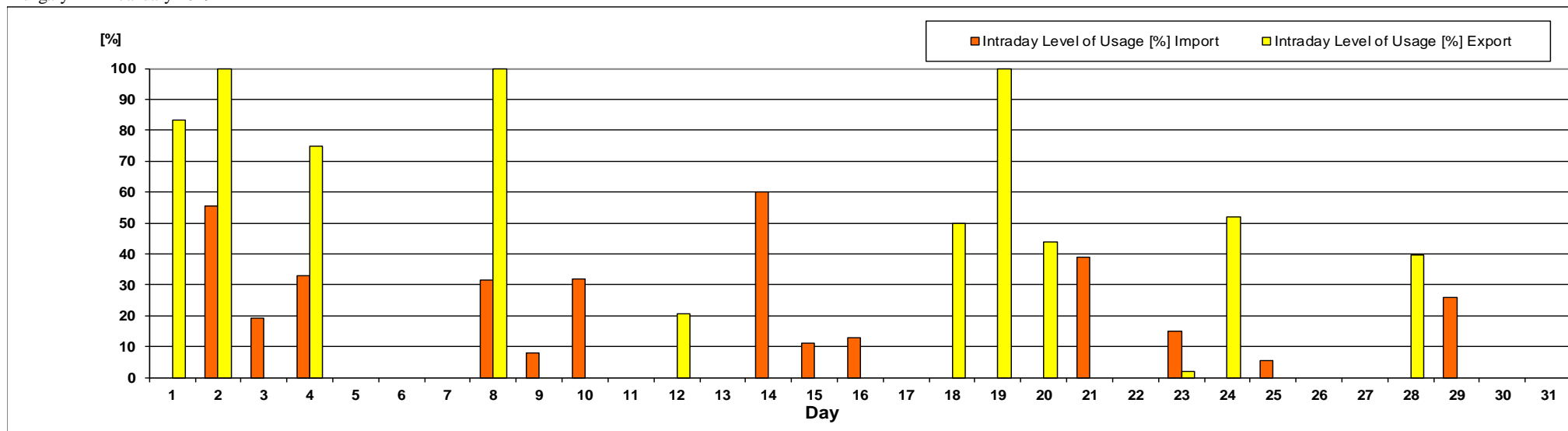
Usage level of long term allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at monthly auction and yearly auction after returns.

In January 2019, the average values (arithmetic) of usage level are: 1.02 % on export direction and 0 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary January 2019



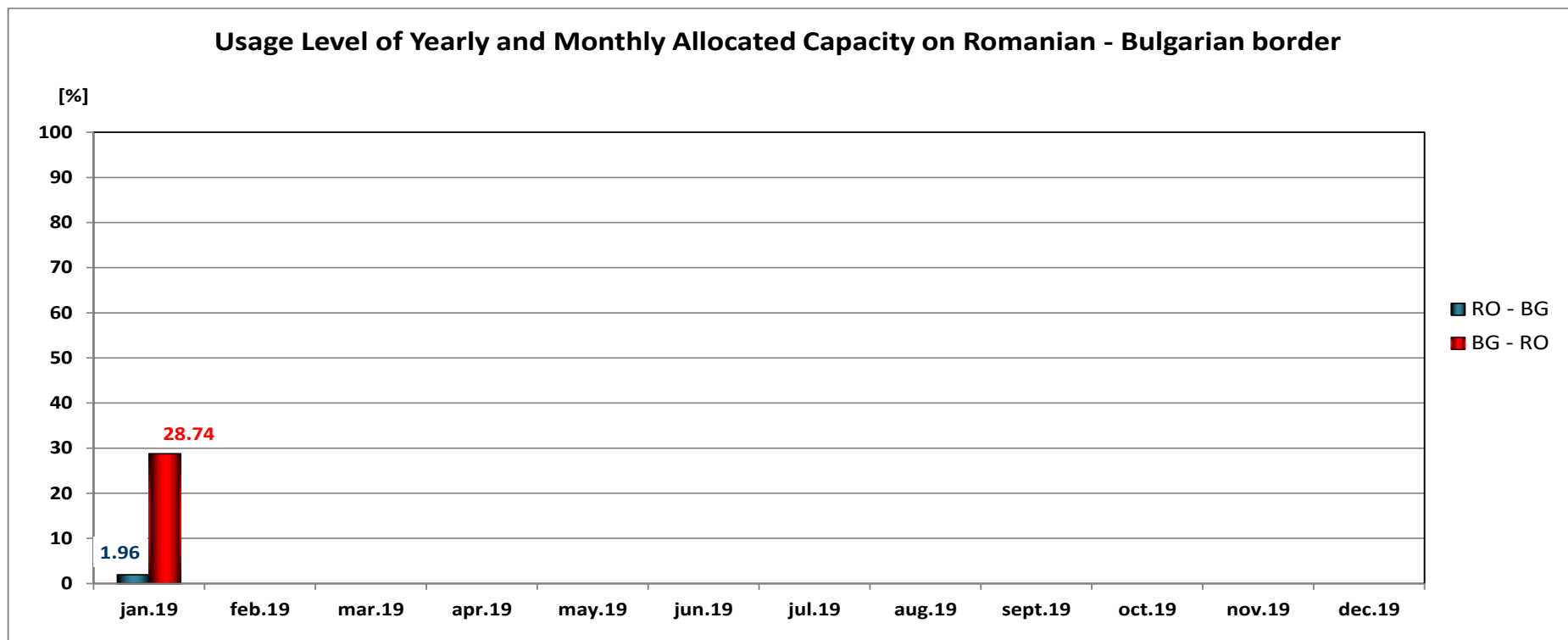
Intraday Level of Usage [%]

January 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	-	55.56	19.23	33.07	-	-	-	31.46	8.00	31.78	0.00	0.00	-	60.00	11.07	13.00	-	0.00	-	-	38.88	0.00	14.96	-	5.30	-	-	-	25.93	0.00	-
Export	83.33	100.00	-	74.93	-	-	-	100.00	0.00	-	0.00	20.66	-	0.00	0.00	0.00	-	50.00	100.00	43.75	0.00	0.00	1.83	52.06	0.00	-	-	39.73	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 20.16 [%]
- Export 41.19 [%]

Usage Level of Allocated Capacity



Usage level of long term allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at monthly auction and yearly auction after returns.

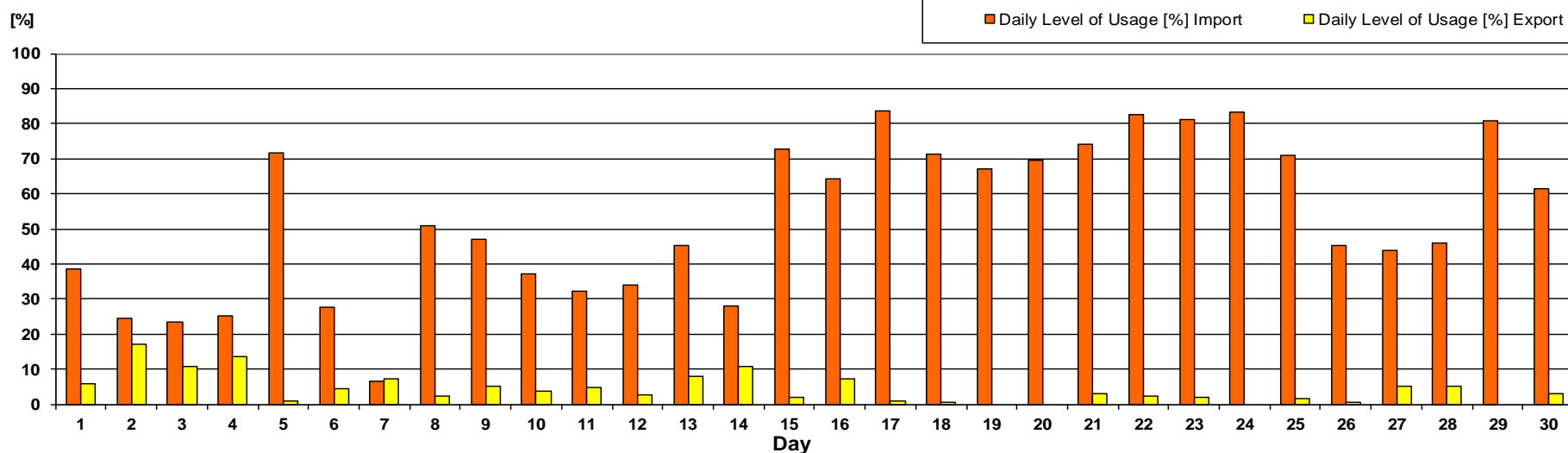
In January 2019, the average values of usage level are: 1.96 % on export direction and 28.74 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

Bulgaria

January 2019



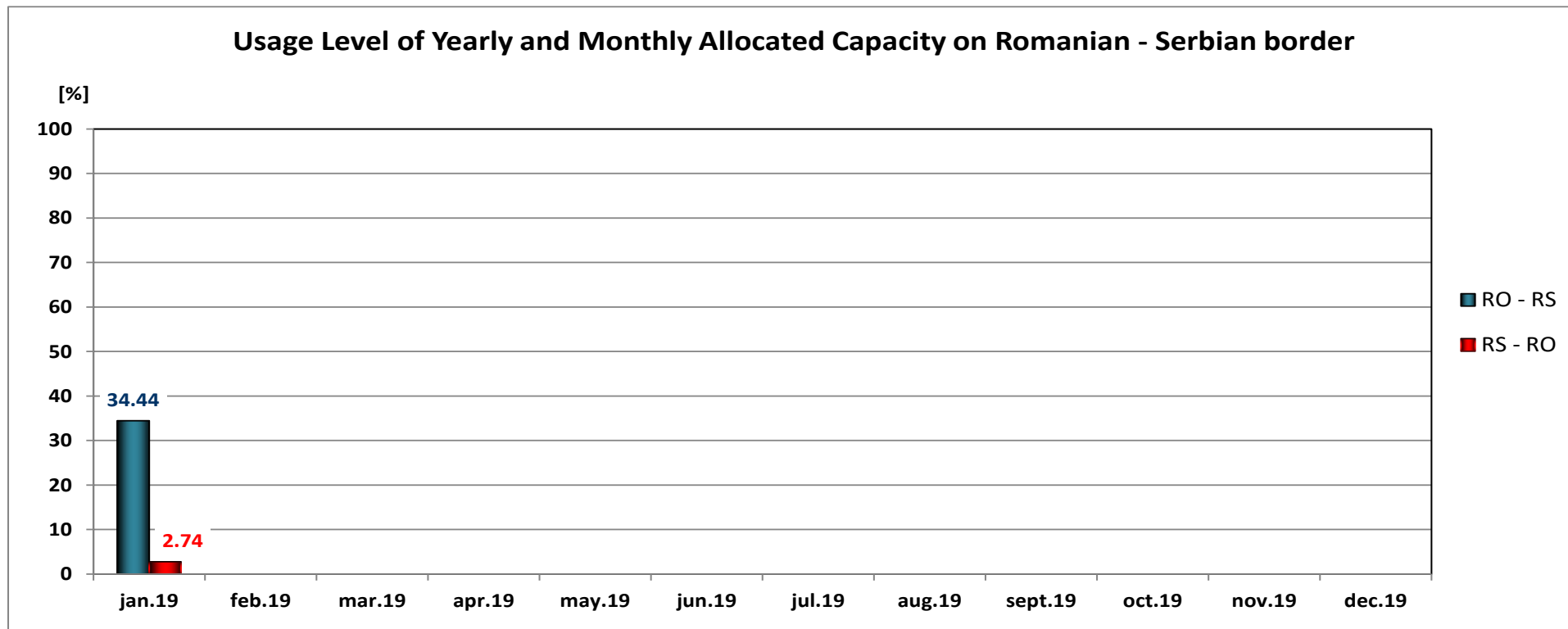
Daily Level of Usage [%]

January 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	38.63	24.35	23.44	25.27	71.56	27.57	6.42	51.02	47.16	37.19	32.05	34.08	45.30	27.86	72.73	64.39	83.68	71.40	67.23	69.68	74.00	82.49	81.16	83.29	70.95	45.38	43.79	46.02	80.65	61.29	69.62
Export	5.96	17.24	10.87	13.57	0.82	4.31	7.33	2.39	4.93	3.77	4.68	2.69	7.82	10.78	2.09	7.16	0.90	0.40	0.00	0.00	2.89	2.26	1.98	0.00	1.69	0.39	5.16	5.02	0.00	3.06	1.88

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 52.70 [%]
- Export 4.15 [%]

Usage Level of Allocated Capacity

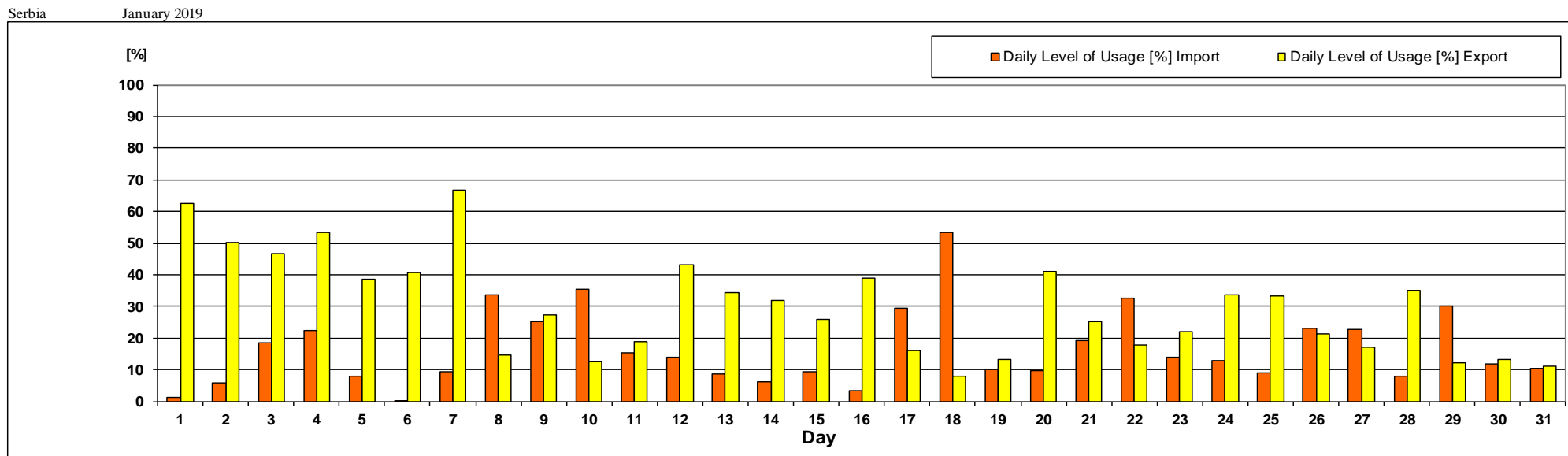


Usage level of long term allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at monthly auction and yearly auction after returns.

In January 2019, the average values of usage levels are: 34.44 % on export direction and 2.74 % on import direction.

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity



Daily Level of Usage [%]

January 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	1.19	5.72	18.65	22.19	7.87	0.05	9.26	33.68	25.05	35.25	15.25	13.93	8.47	6.15	9.25	3.43	29.48	53.19	10.04	9.70	19.08	32.55	13.88	12.85	9.12	23.15	22.68	7.92	30.00	11.96	10.40
Export	62.65	50.14	46.61	53.40	38.40	40.79	66.71	14.65	27.22	12.56	18.75	43.29	34.36	31.77	25.92	38.96	15.87	7.83	13.31	41.18	25.27	17.79	21.84	33.60	33.42	21.19	17.25	34.94	12.27	13.30	11.10

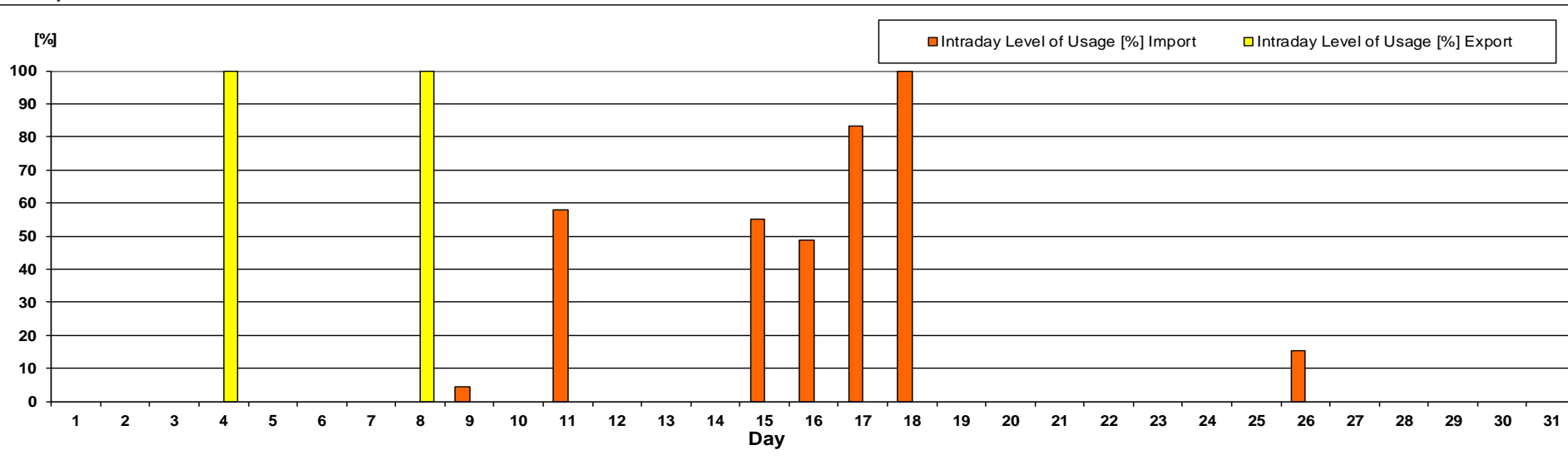
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 16.47 [%]
- Export 27.12 [%]

Usage Level of Intraday Allocated Capacity

Serbia

January 2019



Intraday Level of Usage [%]

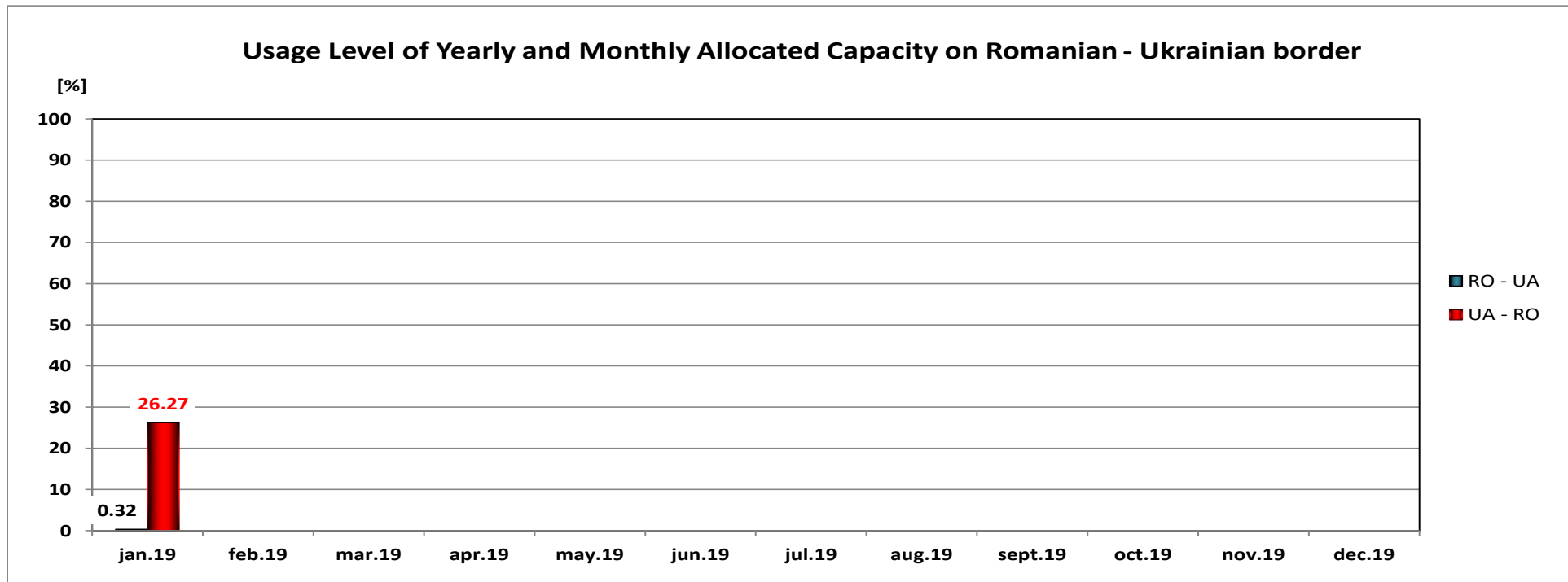
January 2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	-	-	-	-	-	-	0.00	0.00	4.50	0.00	57.78	-	-	0.00	55.06	48.89	83.42	100.00	-	-	0.00	-	0.00	-	-	15.45	-	0.00	0.00	0.00	0.00
Export	-	-	-	100.00	-	-	-	100.00	-	0.00	0.00	-	-	-	0.00	-	0.00	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00

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

- Import 45.17 [%]
- Export 10.55 [%]

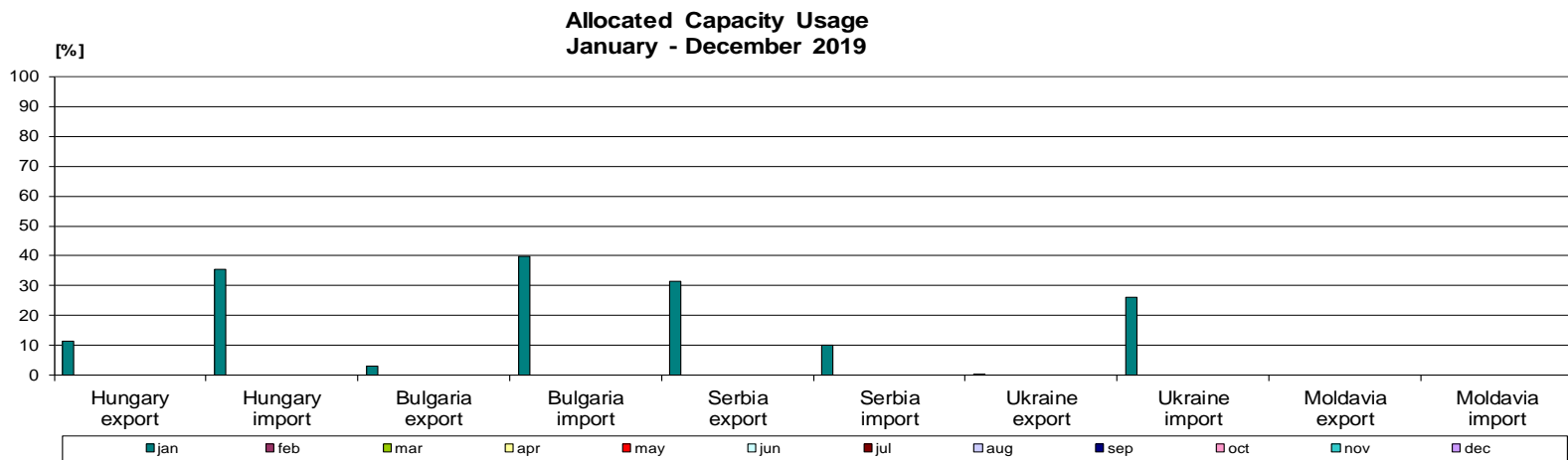
Note: Due to technical issues on Serbian IT platform, intraday auction was canceled for 10.01.2019, session 6 (21:00 – 24:00).

Usage Level of Allocated Capacity



Usage level of long term allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at monthly auction and yearly auction after returns.

In January 2019, the average values of usage levels are: 0.32 % on export direction and 26.27 % on import direction.

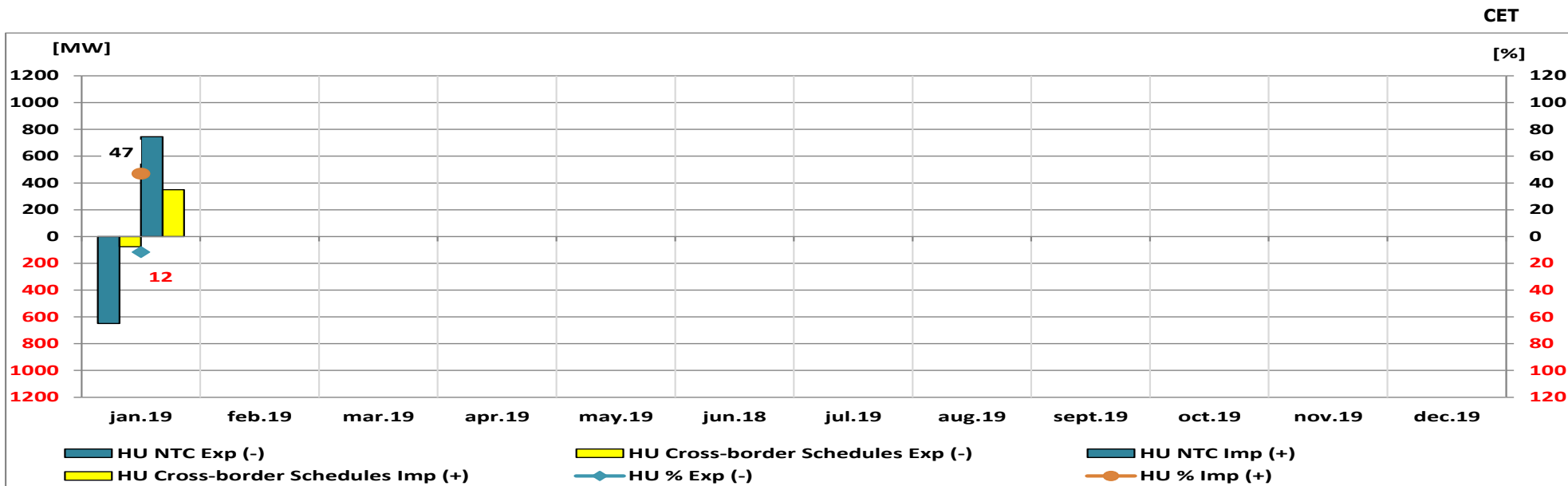


The level of usage of total capacity rights on one border and direction represent the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the total capacity rights.

[%]	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										
mar										
apr										
may										
jun										
jul										
aug										
sep										
oct										
nov										
dec										
average	11.45	35.42	3.24	39.66	31.42	10.17	0.32	26.27	-	-

In January 2019, the level of usage was low on export direction, the highest level of usage being registered on Serbian border. The highest level of usage on import direction was registered on Bulgarian border.

Usage Level of NTC on Romanian – Hungarian border

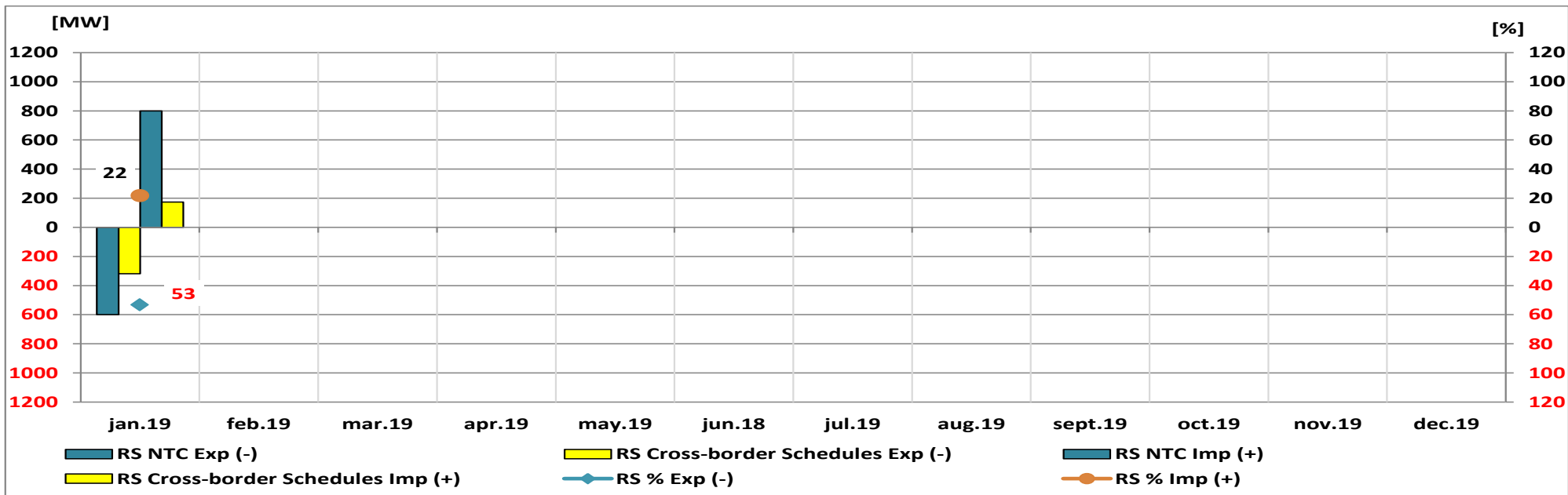


Hungary (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
HU NTC Exp (-)	-650											
HU Cross-border Schedules Exp (-)	-76											
HU NTC Imp (+)	745											
HU Cross-border Schedules Imp (+)	350											

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2019, the average values (arithmetic) of usage level are: 11.74 % on export direction and 46.93 % on import direction.

Usage Level of NTC on Romanian – Serbian border

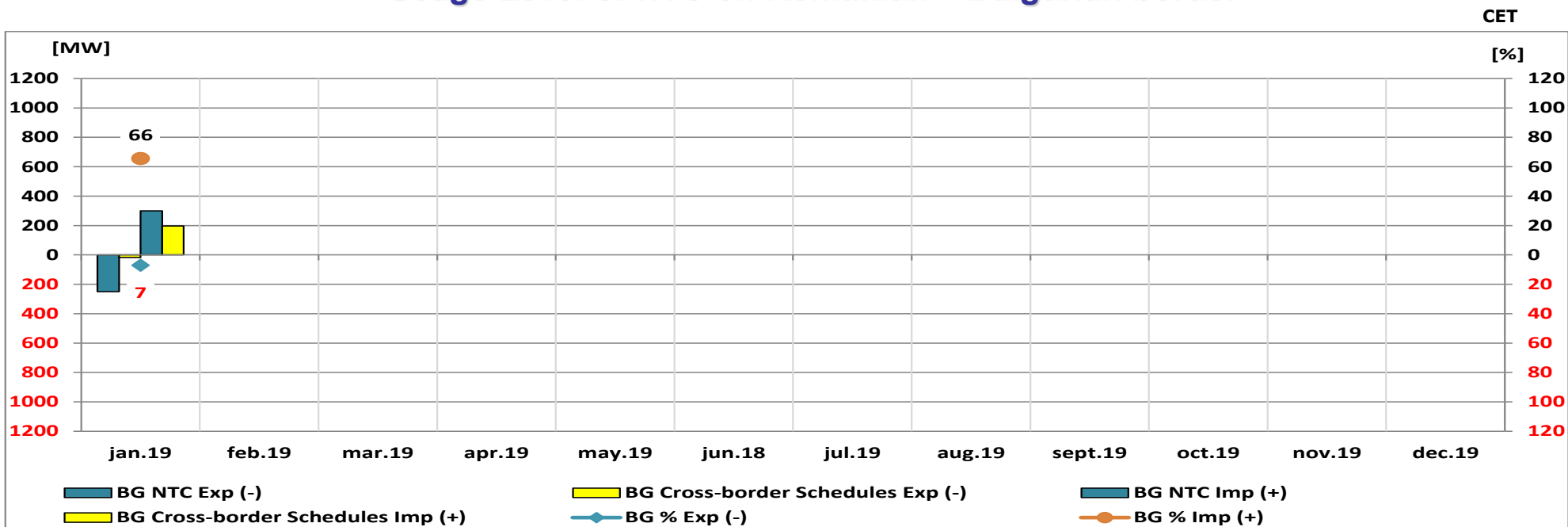
CET



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											
RS Cross-border Schedules Exp (-)	-319											
RS NTC Imp (+)	800											
RS Cross-border Schedules Imp (+)	174											

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2019, the average values (arithmetic) of usage level are: 53.17 % on export direction and 21.69 % on import direction.

Usage Level of NTC on Romanian – Bulgarian border

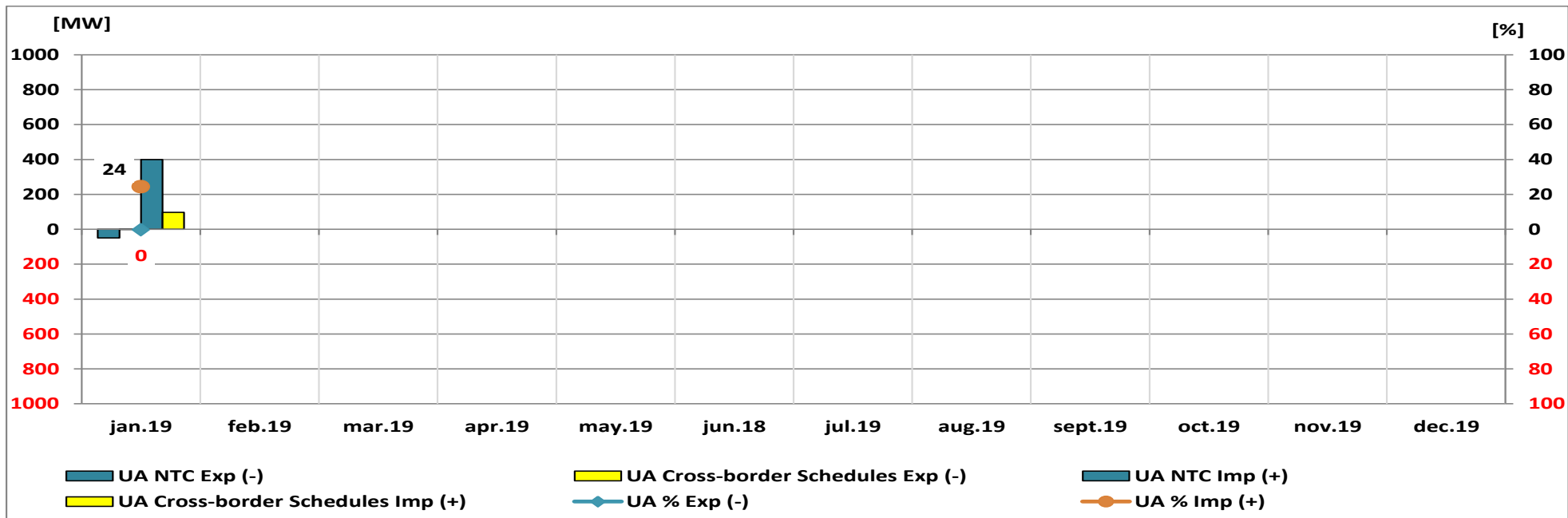


Bulgaria (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
BG NTC Exp (-)	-250											
BG Cross-border Schedules Exp (-)	-18											
BG NTC Imp (+)	300											
BG Cross-border Schedules Imp (+)	197											

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2019, the average values (arithmetic) of usage level are: 7.13 % on export direction and 65.57 % on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



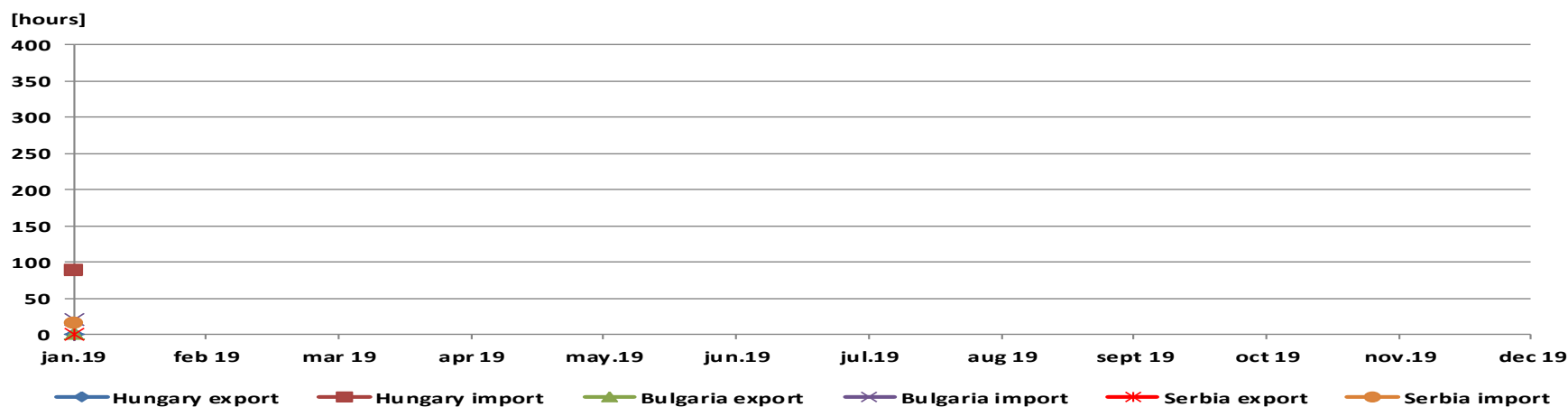
Ukraine (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
UA NTC Exp (-)	-50											
UA Cross-border Schedules Exp (-)	0											
UA NTC Imp (+)	400											
UA Cross-border Schedules Imp (+)	97											

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2019, the average values (arithmetic) of usage level are: 0.32 % on export direction and 24.37 % 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											
Hungary import	88											
Bulgaria export	2											
Bulgaria import	20											
Serbia export	1											
Serbia import	16											

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

January 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	37.86	73.57	2253	-	-	-	72.14	97.24	5575	20.33	50.48	1185
Hungary export	21.43	53.43	1261	28.28	56.97	1462	-	-	-	58.70	97.42	4467	21.67	43.84	996
Bulgaria import	26.67	69.33	1904	16.26	42.28	1032	37.20	77.78	2318	-	-	-	27.27	53.46	1340
Bulgaria export	13.42	39.60	990	34.00	72.00	2056	36.78	89.66	2775	-	-	-	24.73	62.48	1485
Serbia import	24.50	64.00	1672	23.33	60.83	1546	31.56	76.46	2245	49.47	99.98	4203	23.94	58.64	1449
Serbia export	33.50	68.50	2027	22.50	61.25	1606	37.50	81.50	2513	47.58	98.18	4359	21.16	52.32	1364
Ukraine import	-	-	-	53.91	94.34	3846	-	-	-	-	-	-	53.91	94.34	3846
Ukraine export	-	-	-	50.00	100.00	4200	-	-	-	-	-	-	50.00	100.00	4200
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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