



Societate Administrată în sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

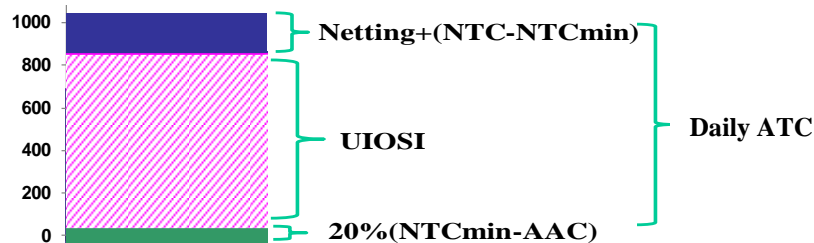
September 2019

- 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 September 2019 were held as:
 - ✓ import/export Hungary*: 01 – 30.09.2019;
 - ✓ import/export Bulgaria*: 01 – 30.09.2019;
 - ✓ import Serbia: 01.09.2019; 02 – 08.09.2019; 09 – 15.09.2019; 16 – 22.09.2019; 23 – 26.09.2019; 27 – 29.09.2019; 30.09.2019;
 - ✓ export Serbia: 01 – 08.09.2019; 09 – 13.09.2019; 14 – 20.09.2019; 21 – 22.09.2019; 23 – 30.09.2019;
 - ✓ import Ukraine: 01.09.2019.
- In September 2019 there were no auctions held on Moldavian border. Between 02.09 – 30.09.2019, the 400 kV OHL Rosiori – Mukacevo was out of operation for planned maintenance program, so transfer capacity was not available on the Ukrainian border. Available capacity was zero on export direction to Ukraine during the period 01.09.2019.

* 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 – 30 September 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
01 - 08 September 2019	0.94	600	500	150	350	34	114	1508	114	430
09 - 15 September 2019	0.94	700	600	250	350	34	114	1508	114	430
16 - 19 September 2019	0.94	650	550	200	350	34	114	1508	114	430
20 - 22 September 2019	0.94	700	600	250	350	34	114	1508	114	430
23 - 30 September 2019	0.94	550	450	100	350	34	114	1508	114	430
Hungary import										
01 September 2019	0.87	800	700	350	350	0	80	1113	80	430
02 - 08 September 2019	0.87	700	600	250	350	0	80	1113	80	430
09 - 15 September 2019	0.87	600	500	150	350	0	80	1113	80	430
16 - 19 September 2019	0.87	550	450	100	350	0	80	1113	80	430
20 - 26 September 2019	0.87	750	650	300	350	0	80	1113	80	430
27 - 29 September 2019	0.87	600	500	150	350	0	80	1113	80	430
30 September 2019	0.87	650	550	200	350	0	80	1113	80	430
Bulgaria export										
01 - 30 September 2019	0.71	600	500	351	149	20	300	2101	300	429
Bulgaria import										
01 - 30 September 2019	0.31	600	500	350	150	3	283	1741	283	430

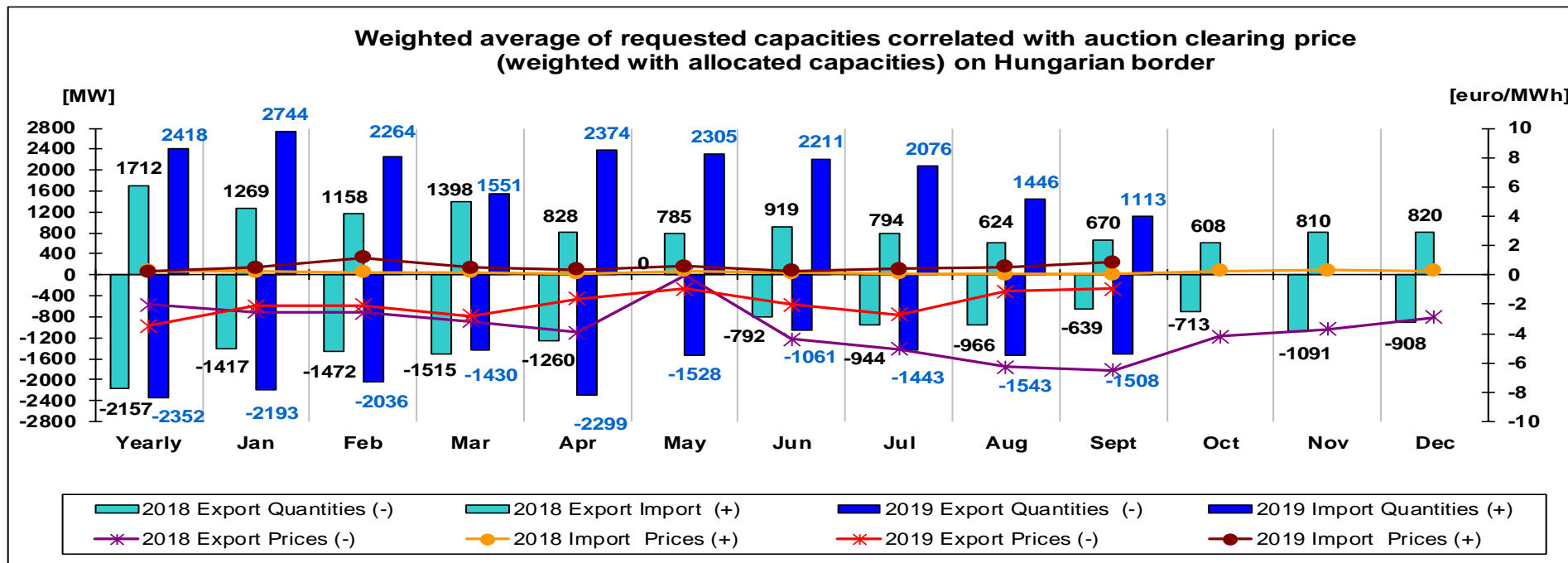
Note: ATC values on Hungarian and Bulgarian borders are calculated before the reservation of capacity. Offered capacity includes reservation and returned capacity.

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

Monthly auction Results of 01 – 30 September 2019

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 - 08 September 2019	0.51	450	350	150	200	-	150	517	150	350
09 - 13 September 2019	0.33	550	450	250	200	-	250	565	250	450
14 - 20 September 2019	0.42	500	400	200	200	-	200	532	200	400
21 - 22 September 2019	0.39	550	450	250	200	-	250	583	250	450
23 - 30 September 2019	0.63	400	300	100	200	-	100	468	100	300
Serbia import										
01 September 2019	0.05	800	700	500	200	-	500	953	500	700
02 - 08 September 2019	0.13	650	550	350	200	-	350	1005	350	550
09 - 15 September 2019	0.26	550	450	250	200	-	250	825	250	450
16 - 22 September 2019	0.30	500	400	200	200	-	200	768	200	400
23 - 26 September 2019	0.40	400	300	100	200	-	100	476	100	300
27 - 29 September 2019	0.25	550	450	250	200	-	250	878	250	450
30 September 2019	0.13	600	500	300	200	-	300	1033	300	500
Ukraine export										
01 September 2019	-	0	0	-	-	-	-	-	-	-
02 - 30 September 2019	-	0	0	-	-	-	-	-	-	-
Ukraine import										
01 September 2019	0.01	250	150	150	-	-	150	175	150	150
02 - 30 September 2019	-	0	0	-	-	-	-	-	-	-
Moldavia export										
01 - 30 September 2019	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 30 September 2019	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 30 September 2019	-	-	-	-	-	-	-	-	-	-
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 30 September 2019	-	-	-	-	-	-	-	-	-	-
RO_Cioara	-	-	-	-	-	-	-	-	-	-

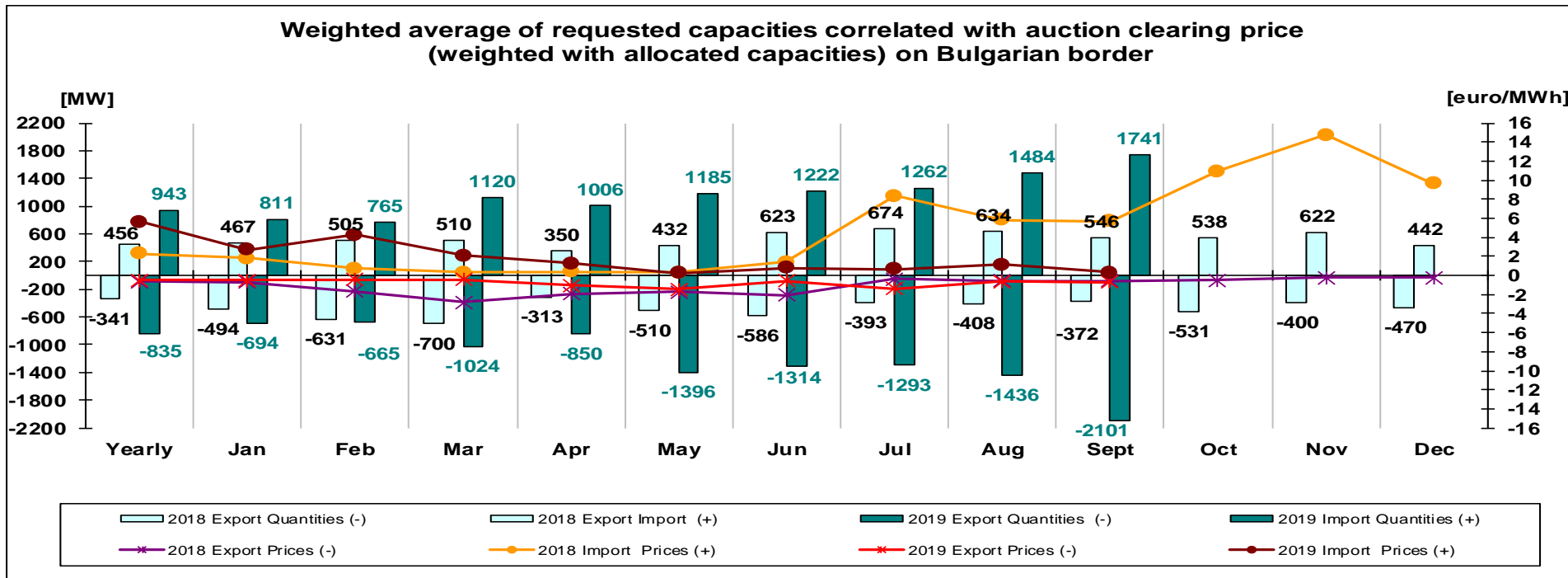
* final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Hungary export	3.46	2.14	2.07	2.81	1.61	0.96	2.02	2.71	1.13	0.94			
Hungary import	0.24	0.51	1.19	0.49	0.37	0.59	0.27	0.42	0.56	0.87			

Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Hungary export	2.03	2.52	2.56	3.14	3.92	-	4.36	5.05	6.27	6.51	4.18	3.69	2.87
Hungary import	0.27	0.23	0.20	0.17	0.09	0.25	0.16	0.08	0.04	0.06	0.28	0.30	0.26

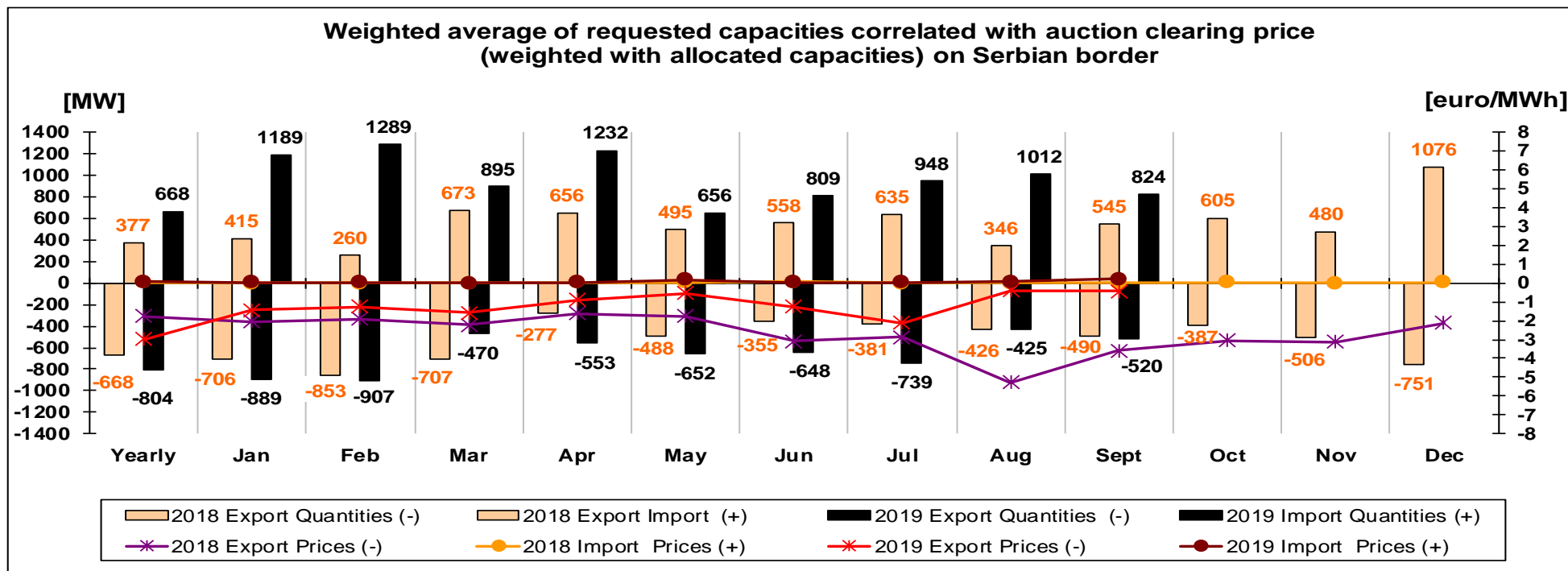
- Compared with previous year, in September 2019 the auction price significantly decreased on export direction, while offered capacity and capacity request were higher. The auction price increased on import direction, while capacity request increased and offered capacity decreased.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Bulgaria export	0.51	0.47	0.44	0.46	1.03	1.45	0.58	1.36	0.61	0.71			
Bulgaria import	5.60	2.67	4.24	2.09	1.27	0.27	0.82	0.68	1.11	0.31			

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

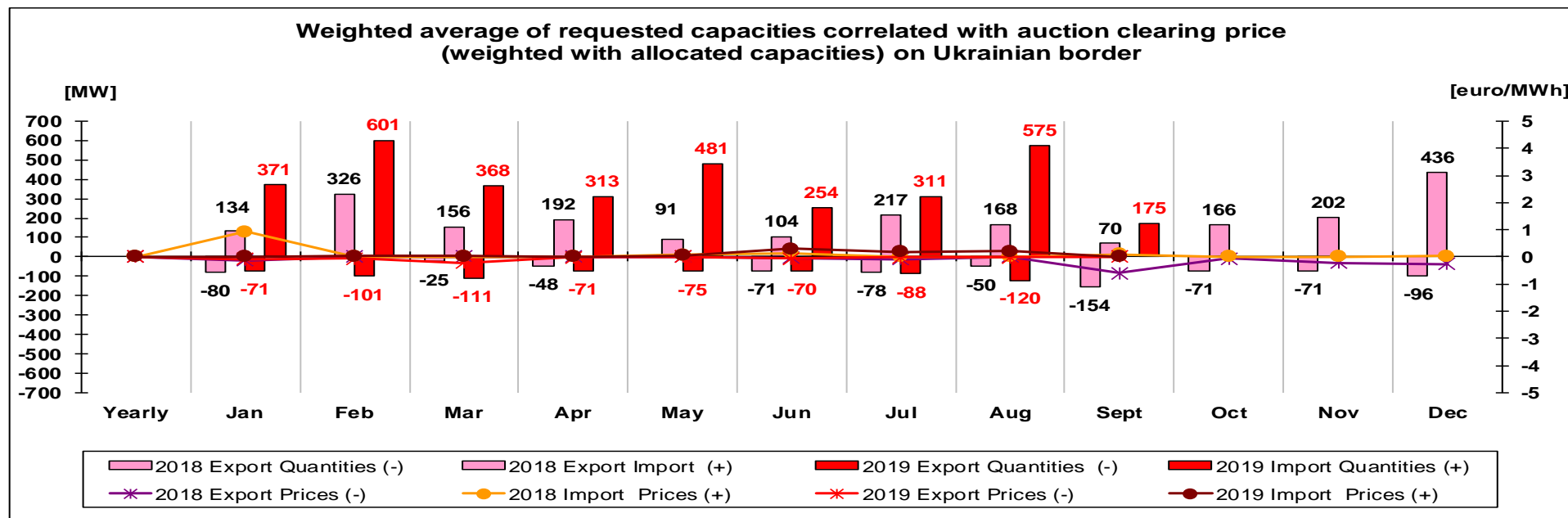
- Compared with previous year, in September 2019 the auction price slightly increased on export direction, while offered capacity and capacity request were higher. The auction price was lower on import direction, while offered capacity and capacity request were higher.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Serbia export	2.97	1.42	1.27	1.58	0.88	0.55	1.24	2.13	0.38	0.45			
Serbia import	0.07	0.03	0.03	0.01	0.03	0.16	0.04	0.03	0.06	0.21			

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

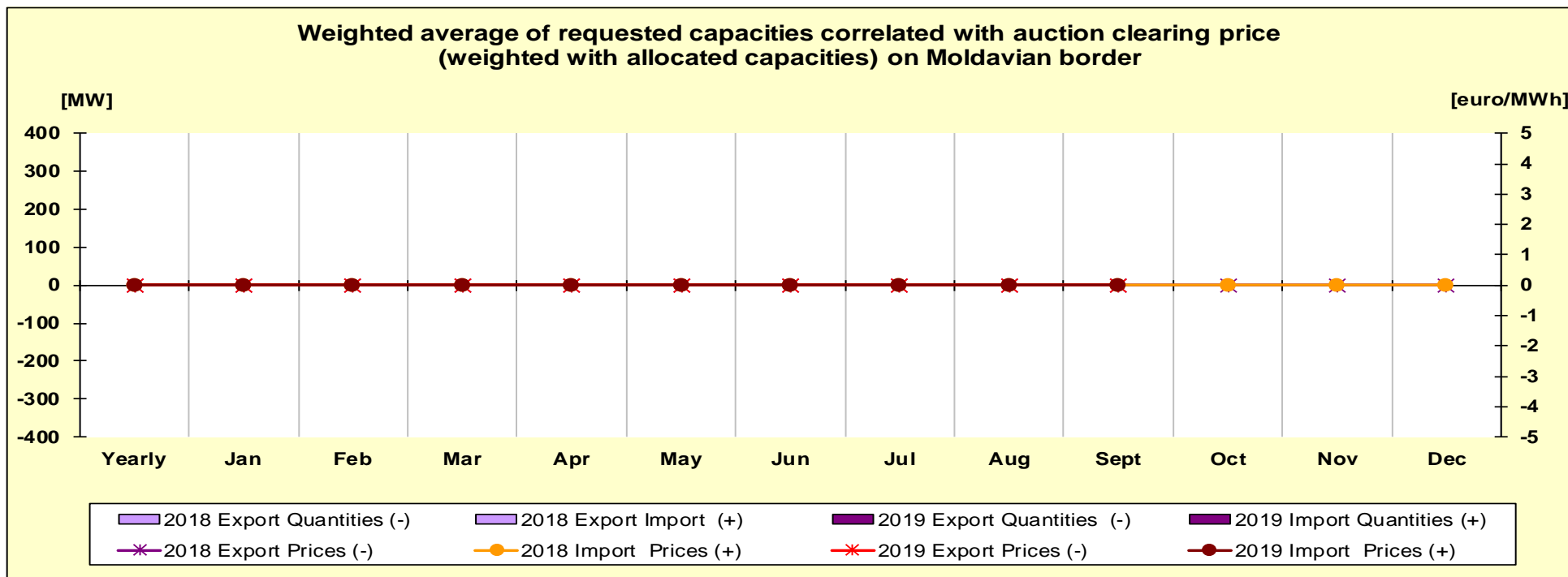
- Compared with previous year, in September 2019 the auction price decreased on export direction, while offered capacity and capacity request were higher. In September 2019, monthly auction price slightly increased on import direction, while offered capacity and capacity request were higher.



Border	Yearly	Jan. 19	Feb.19	Mar.19	Apr.19	May 19	Jun. 19	Jul. 19	Aug. 19	Sept. 19	Oct. 19	Nov.19	Dec. 19
Ukraine export	-	0.08	0.07	0.22	0.01	0.00	0.07	0.02	0.01	-			
Ukraine import	-	0.00	0.04	0.02	0.00	0.06	0.29	0.18	0.21	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
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 September 2019 auction price maintained low and the capacity request increased on import direction while the offered capacity was lower (only one day with available capacity). In September 2019, available capacity was zero on export direction.



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



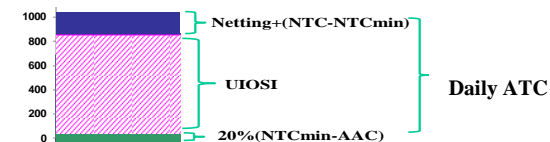
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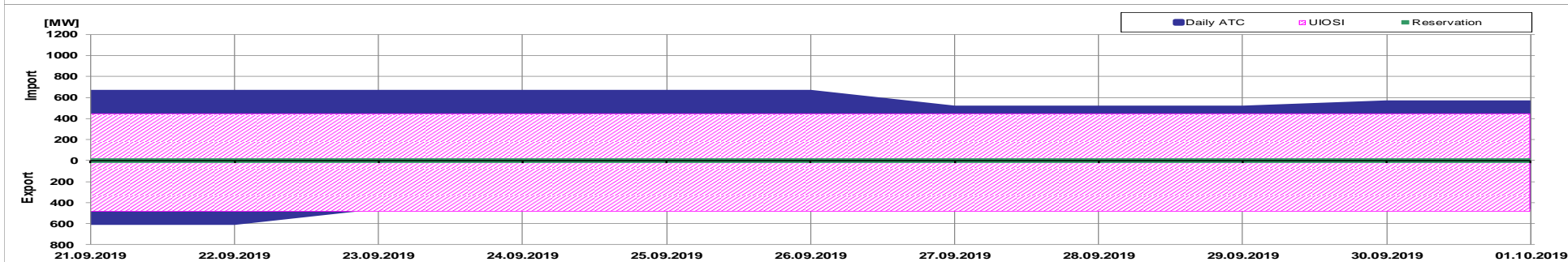
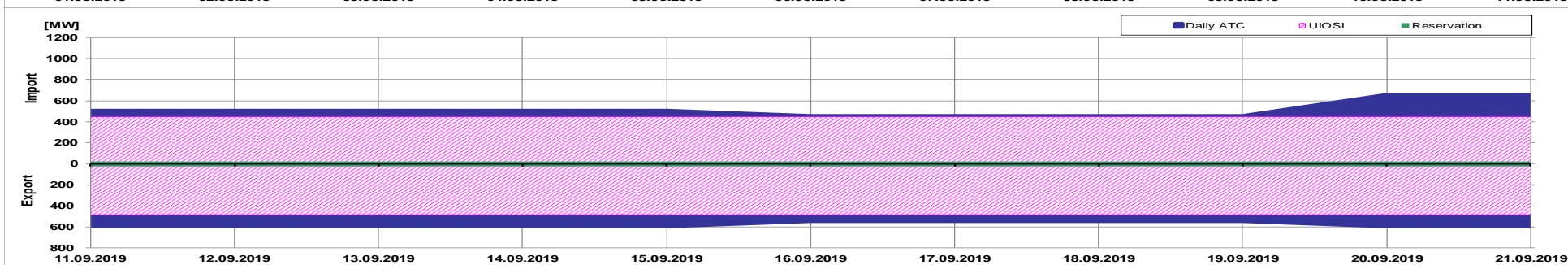
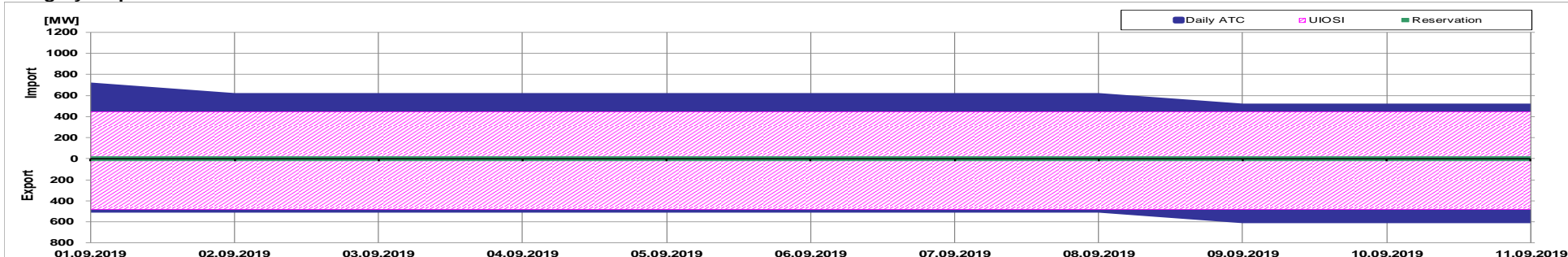


Daily implicit Auctions on Romanian – Hungarian border

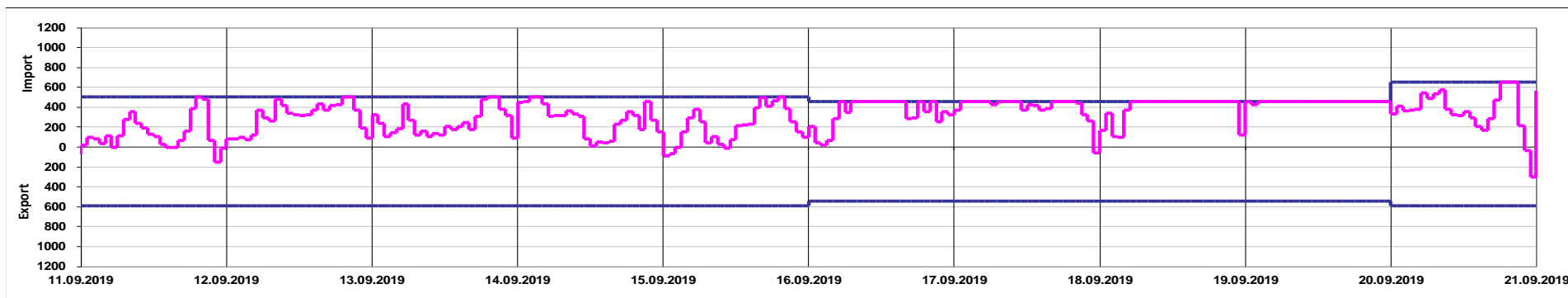
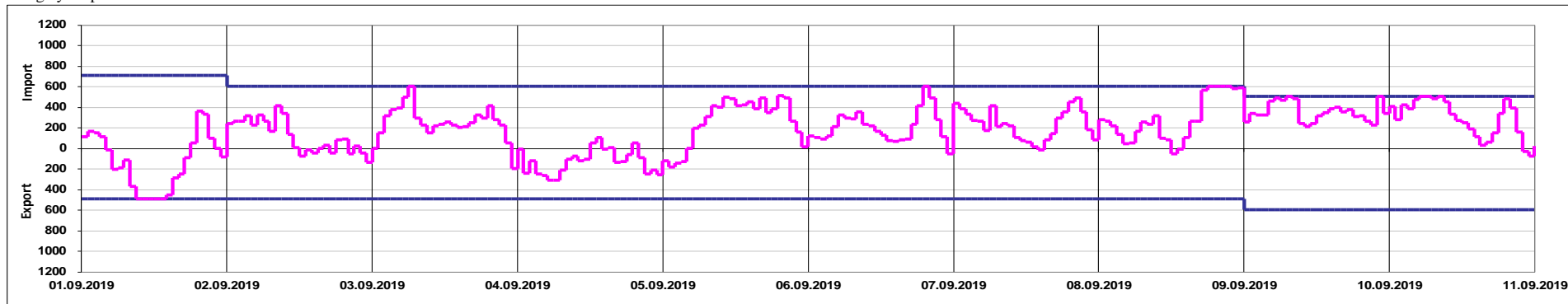
Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
20	20	424	430



Hungary September 2019



Hungary September 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	65.19	51.09	48.05	45.62	41.29	37.09	43.08	51.05	44.05	51.80	46.84	45.56	48.42	50.53	51.02	51.09	60.18	50.03	50.53	73.79	100.94	60.68	61.09	61.25	100.94
2	56.04	45.28	43.32	39.98	48.52	75.05	127.41	135.04	135.03	132.86	126.71	135.04	137.44	135.04	126.44	126.44	128.14	130.00	129.94	137.65	138.50	105.89	100.87	69.96	138.50
3	53.00	47.25	36.81	34.14	38.07	52.86	68.47	70.45	73.79	75.03	70.05	73.79	89.12	82.83	75.08	73.79	67.45	66.20	69.56	98.96	90.92	57.98	50.53	50.53	98.96
4	54.25	40.29	28.60	27.10	27.98	35.50	44.46	49.04	53.48	51.68	46.22	45.02	44.46	44.46	44.61	48.96	59.92	58.86	59.99	73.68	71.99	54.96	56.43	49.28	73.68
5	53.58	44.99	41.45	40.39	41.91	50.08	78.12	72.63	74.89	74.04	67.61	65.03	70.42	69.38	67.48	73.83	71.71	74.05	80.99	116.56	105.77	69.38	69.60	55.00	116.56
6	44.57	48.07	42.68	42.58	44.94	58.36	59.93	66.99	66.57	66.03	62.55	61.42	66.04	62.57	61.35	60.08	62.53	65.44	66.00	90.96	83.38	62.83	57.04	45.49	90.96
7	50.04	47.94	40.05	38.04	37.01	35.05	41.00	45.26	59.64	56.66	58.77	56.76	53.08	47.10	46.26	46.05	56.66	60.42	59.95	71.67	67.44	58.77	50.00	42.01	71.67
8	40.09	31.91	30.40	29.11	28.89	28.82	28.82	33.97	39.67	44.02	42.85	41.07	43.23	40.00	36.90	40.65	43.62	41.28	53.10	73.95	90.85	69.51	47.54	40.07	90.85
9	37.54	32.82	30.79	30.06	31.20	39.42	56.22	71.62	63.00	63.18	55.53	53.45	53.72	52.99	53.25	54.93	54.29	56.62	57.07	69.89	71.62	62.75	67.40	60.64	71.62
10	45.07	43.03	40.47	39.68	41.39	50.07	67.40	59.33	62.75	58.12	56.07	52.98	52.82	52.10	52.06	56.00	56.50	59.92	60.23	69.13	64.45	54.97	46.64	38.27	69.13
11	48.15	42.09	41.00	39.83	41.09	46.99	59.01	57.10	56.64	55.05	52.41	53.54	56.07	56.64	56.64	59.81	58.42	55.52	57.58	69.53	63.61	59.92	56.03	49.00	69.53
12	48.03	42.06	38.06	37.78	40.30	50.06	60.65	62.77	61.94	59.01	58.61	56.64	57.50	56.98	56.64	56.64	60.65	61.21	59.99	75.96	69.53	50.99	52.41	42.48	75.96
13	39.28	30.05	27.76	26.84	28.22	36.68	46.80	51.10	52.55	50.73	48.37	47.08	47.04	48.01	50.05	50.72	52.39	54.78	56.61	90.83	67.38	55.10	50.49	50.49	90.83
14	52.30	46.93	42.98	42.00	39.36	40.06	44.80	52.05	52.29	52.15	52.05	52.36	54.00	52.36	50.46	52.05	50.46	50.67	52.69	59.93	56.58	47.29	44.13	36.57	59.93
15	30.78	26.07	24.38	24.00	22.66	24.71	22.49	30.05	36.77	37.45	38.73	40.69	39.91	39.45	39.66	43.34	48.11	57.35	60.61	73.70	67.28	53.09	50.47	47.30	73.70
16	39.80	30.78	28.92	28.51	29.59	59.13	56.24	67.36	69.48	61.93	59.13	59.13	67.36	68.98	70.00	73.70	85.98	85.95	112.13	126.71	122.06	60.59	59.13	48.61	126.71
17	52.01	44.14	40.12	39.26	40.12	59.13	59.13	67.36	71.59	67.58	62.72	63.52	63.52	62.01	63.15	65.54	63.56	67.36	73.70	137.26	71.76	59.13	56.32	44.99	137.26
18	42.00	32.16	27.54	27.55	29.68	54.99	65.00	118.29	131.60	114.07	107.30	73.72	67.90	59.15	59.15	62.94	60.63	63.37	67.60	116.18	69.50	59.15	52.66	44.32	131.60
19	48.36	42.24	42.24	43.66	50.05	69.48	137.27	147.83	150.37	149.51	147.83	158.39	158.39	148.04	147.83	148.04	158.39	148.04	158.39	158.39	158.39	148.00	116.15	95.03	158.39
20	49.96	42.07	38.01	36.84	37.60	48.01	59.74	68.22	66.72	56.45	51.30	50.36	47.40	46.04	46.54	50.26	51.20	55.05	62.72	73.70	60.61	54.89	50.25	43.33	73.70
21	47.07	43.01	39.84	36.69	39.00	44.08	46.19	56.52	58.63	56.70	50.01	45.01	42.11	41.04	41.95	52.01	64.30	71.50	147.63	149.32	147.63	71.50	52.30	50.41	149.32
22	44.06	35.84	30.51	29.20	28.29	29.94	31.95	43.01	44.06	46.07	45.08	44.06	42.50	38.63	40.25	43.07	48.52	56.22	56.92	69.57	63.25	51.68	44.53	38.19	69.57
23	36.01	32.96	31.11	30.89	33.08	58.61	73.58	155.59	158.12	71.47	67.92	71.07	73.69	73.58	70.40	66.50	65.89	64.96	69.36	76.60	68.99	57.01	55.65	49.64	158.12
24	50.20	48.50	42.03	41.25	45.20	71.47	88.55	105.41	147.58	141.25	105.41	73.58	105.62	73.58	71.47	71.47	67.47	69.36	105.41	158.12	105.41	65.84	58.94	56.16	158.12
25	50.35	44.03	41.60	40.25	42.10	58.96	69.10	70.06	75.02	74.00	74.10	73.70	110.10	85.05	77.21	74.25	73.49	71.38	73.28	105.49	75.02	63.47	52.21	43.41	110.10
26	47.98	41.76	39.03	37.91	39.65	53.95	63.61	68.57	72.42	71.33	67.83	67.05	67.05	65.00	61.59	62.57	65.95	67.63	71.30	78.07	71.39	63.51	56.36	50.54	78.07
27	42.39	39.00	36.90	36.98	38.74	49.94	59.73	67.09	68.03	66.97	60.70	58.00	55.20	59.02	60.83	62.61	68.94	70.66	84.53	95.19	75.55	69.57	64.95	54.50	95.19
28	60.47	51.73	44.86	42.26	42.14	48.38	53.60	58.06	60.47	62.02	59.40	62.16	62.02	58.10	57.50	56.47	58.09	59.00	66.34	76.27	69.32	60.47	50.36	43.89	76.27
29	42.80	24.00	21.74	20.00	21.05	25.18	29.73	41.55	48.23	51.59	50.96	50.00	41.98	41.06	41.03	44.07	49.91	57.89	67.15	99.00	72.52	60.67	52.21	27.58	99.00
30	25.66	21.25	15.00	14.00	21.03	58.94	67.15	63.08	66.08	64.87	58.94	60.04	58.07	56.00	58.15	59.19	67.08	68.09	73.47	89.50	73.02	63.10	59.36	46.78	89.50

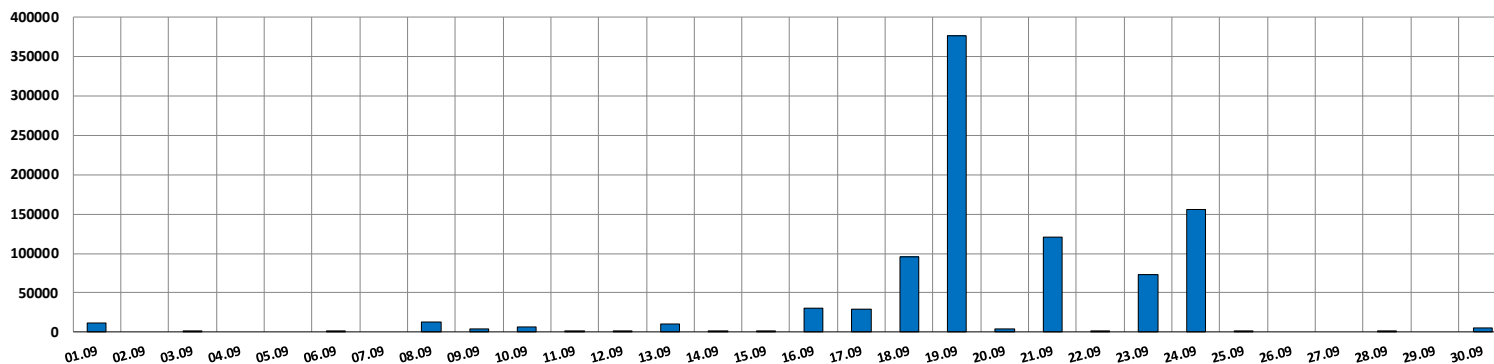
Average 60.64 EUR/MWh

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	-	-	-	-	-	-	-	-	-	0.92	14.45	16.96	12.86	0.54	-	-	-	-	-	-	-	-	-	-	16.96
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	3.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.59
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.43	-	-	-	-	7.43
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.12	9.01	14.61	13.07	-	-	14.61
9	-	-	-	-	-	-	12.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.81	-	12.19
10	-	-	-	-	-	5.04	17.19	-	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.19
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.36	-	-	-	-	8.36
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.55	3.38	-	-	-	4.55
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.95	8.01	-	-	-	33.95
14	-	-	2.03	4.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.53	-	-	-	-	8.53
16	-	-	-	-	-	16.13	-	5.48	4.46	4.28	3.87	5.03	12.08	9.47	9.67	11.89	-	-	7.18	-	46.86	-	-	-	46.86
17	-	1.36	2.09	2.20	2.43	15.23	-	5.33	6.56	6.37	-	-	-	-	-	-	0.80	7.44	13.39	64.67	-	-	-	-	64.67
18	-	-	-	-	12.06	9.74	61.18	76.55	61.13	56.28	22.74	20.16	11.23	10.38	11.23	4.31	3.42	3.60	46.37	4.79	1.66	-	-	-	76.55
19	1.36	-	6.81	8.40	12.02	22.65	80.05	87.23	87.34	90.56	88.78	103.27	108.46	98.10	96.31	93.10	99.27	89.00	94.93	87.21	92.39	89.92	63.57	48.00	108.46
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.66	6.74	1.57	-	-	-	6.74
21	-	-	-	-	0.64	4.05	-	8.84	10.55	-	1.79	-	-	-	0.03	9.94	21.23	20.46	92.53	90.53	86.59	16.21	3.08	-	92.53
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.23	-	-	-	-	-	4.23
23	-	-	-	-	16.60	18.48	95.09	91.22	0.53	-	-	-	-	-	-	-	-	-	2.40	-	-	-	-	-	95.09
24	-	-	-	-	16.95	23.03	31.46	76.13	72.40	40.33	8.63	38.69	6.82	4.69	6.51	1.77	1.94	37.59	77.12	29.83	-	-	-	-	77.12
25	-	-	-	-	6.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.64
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.95	0.04	3.95
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
30	-	-	-	-	19.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.55

Average 27.70 EUR/MWh

Congestion Income RO

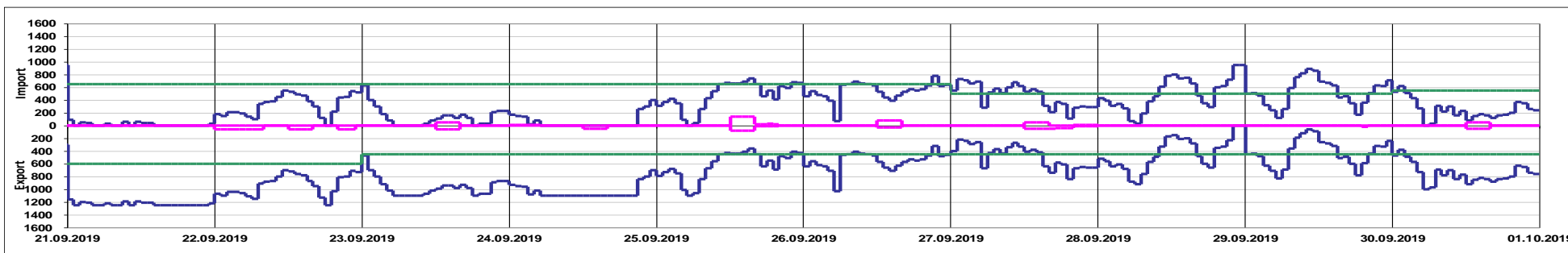
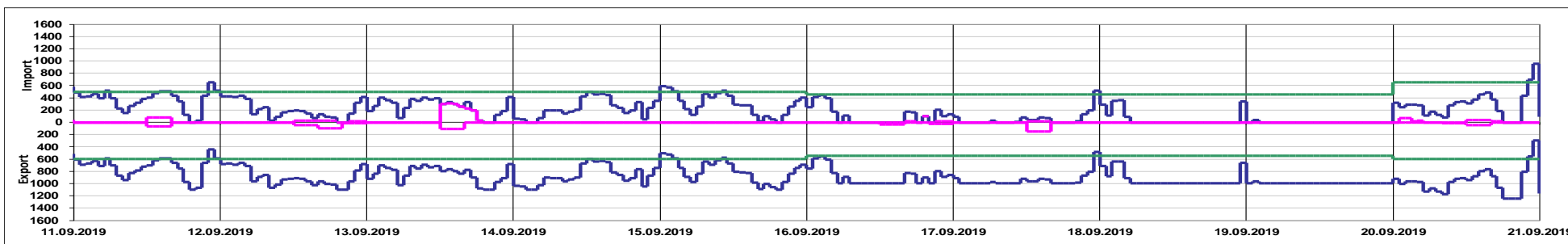
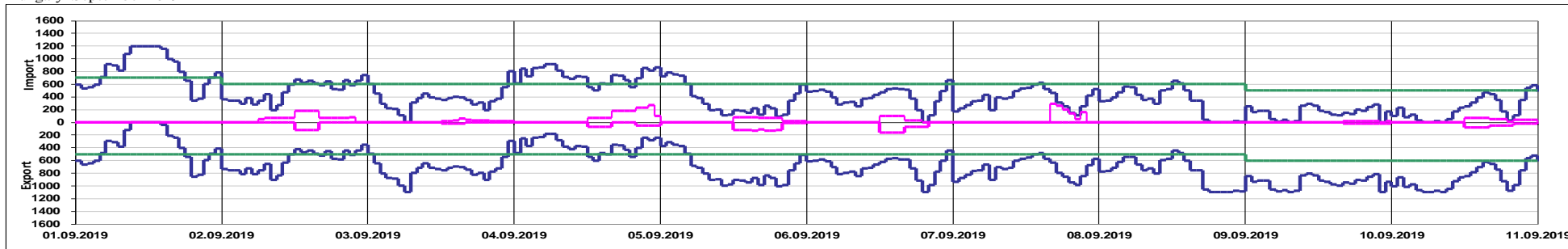


Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.09	22591	11295
02.09	0	0
03.09	2176	1088
04.09	0	0
05.09	0	0
06.09	4503	2251
07.09	0	0
08.09	25943	12971
09.09	9614	4807
10.09	12316	6158
11.09	4230	2115
12.09	4013	2006
13.09	21232	10616
14.09	3152	1576
15.09	4316	2158
16.09	62198	31099
17.09	58309	29154
18.09	190074	95037
19.09	751821	375910
20.09	7196	3598
21.09	240404	120202
22.09	2775	1387
23.09	147154	73577
24.09	310872	155436
25.09	4356	2178
26.09	0	0
27.09	0	0
28.09	1772	886
29.09	0	0
30.09	10870	5435
Total	1901886	950943

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
24362	1877523	21081	1550614
1901886		1571696	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
330190	165095

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

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
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
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
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00
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	0.10	0.00	0.10	2.06	0.00	0.00	3.50	-	-	0.00	0.00	0.00	3.50
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
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	-	0.10	-	0.00	0.00	0.00	0.10
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
18	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
19	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.00	-	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-	0.00	0.00
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
24	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
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

Hungary

September 2019



Societate Administrată în sistem Dualist

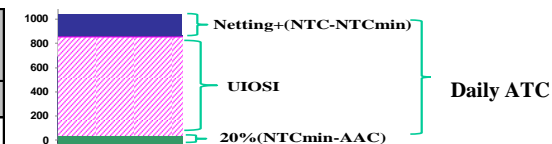
Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border

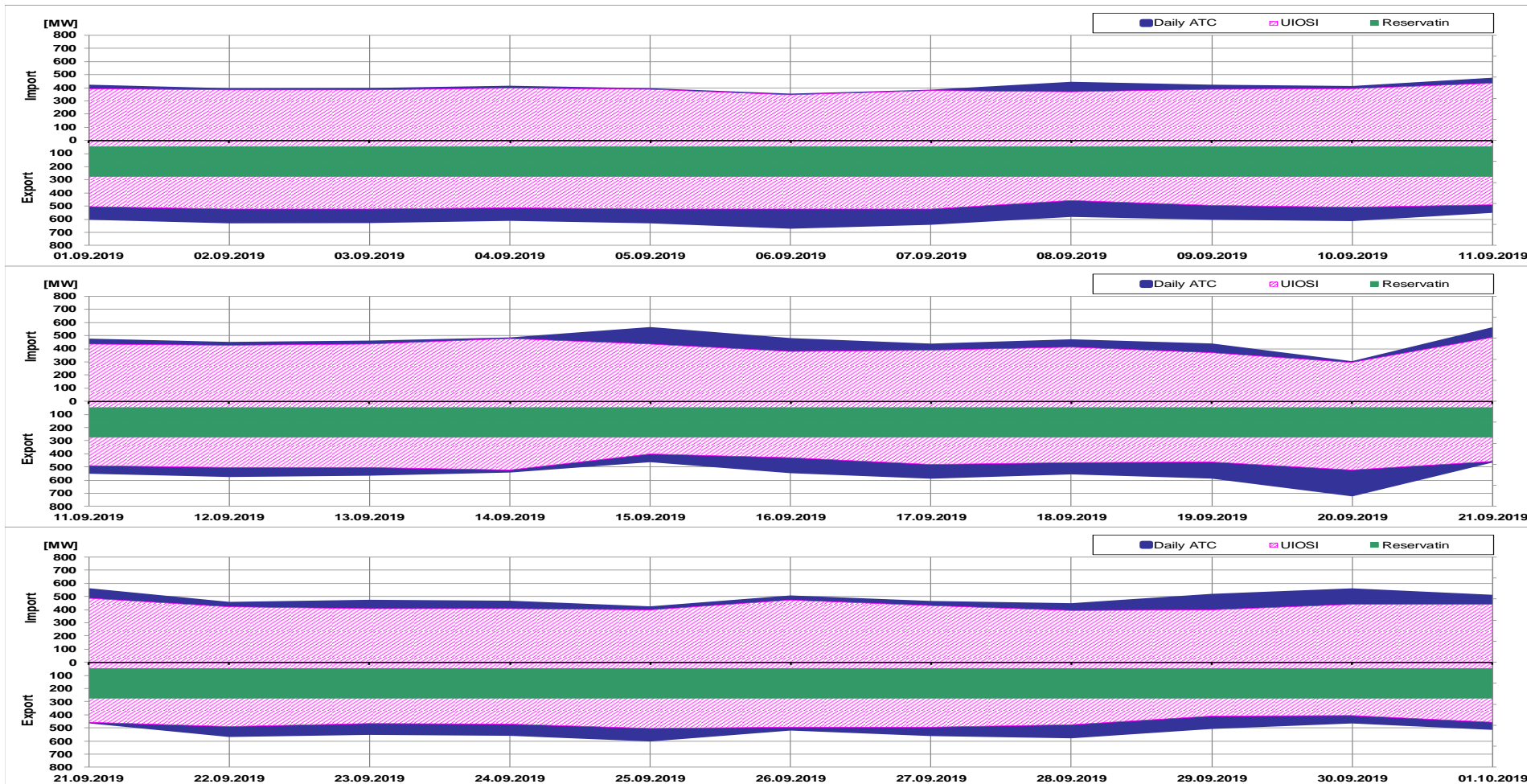


romania2019.eu
Președinția României la Consiliul Uniunii Europene

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
71	70	403	307



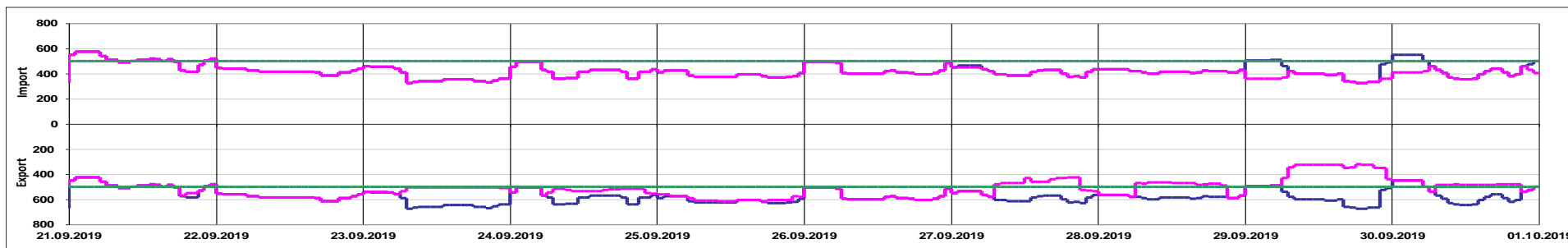
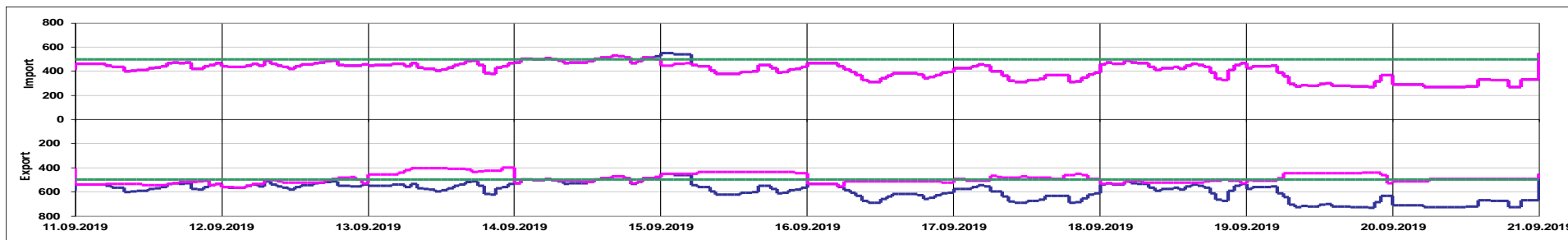
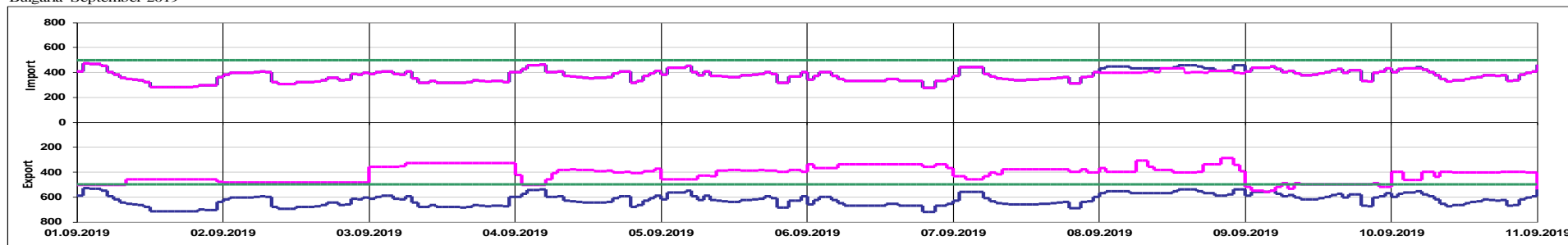
Bulgaria September 2019



Daily Auctions on Romanian – Bulgarian border

Societate Administrată în sistem Dualist

Bulgaria September 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

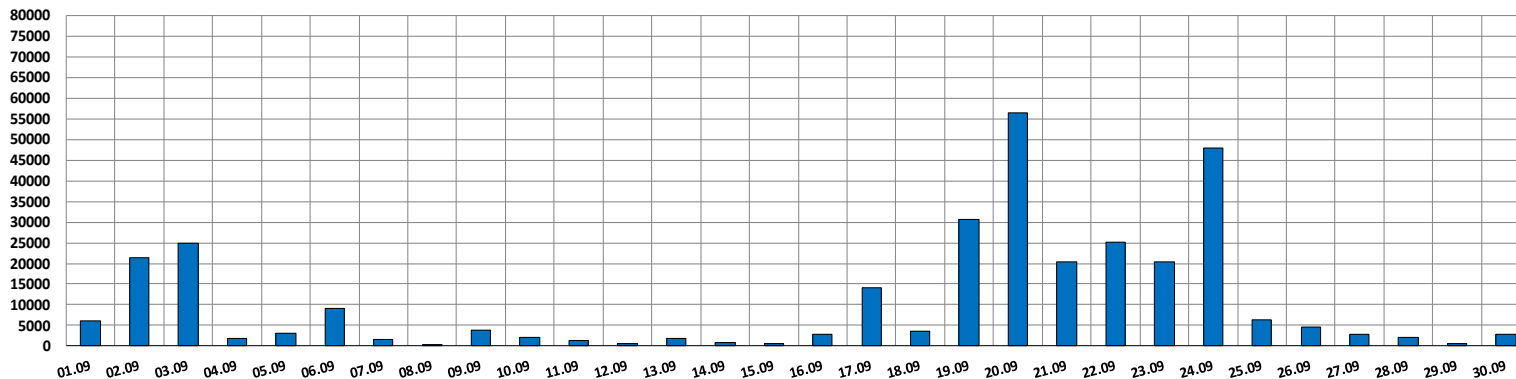
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.01	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
12	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.05	0.05	0.08	0.05	0.00	0.05	0.06	0.55	0.69	0.69	0.69
15	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
16	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
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	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
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	0.10	0.10	0.10	0.10	0.10	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.01	0.02	0.05	0.10	0.10
22	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
23	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
24	0.01	0.04	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
25	0.00	0.00	0.02	0.02	0.02	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	0.00	0.00	0.00	0.00	0.00	0.02
26	0.50	0.59	0.60	0.60	0.49	0.15	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.12	0.64	0.64	0.64
27	0.01	0.06	0.06	0.06	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
28	0.05	0.22	0.22	0.22	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.22	0.22
29	0.01	0.01	0.01	0.01	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
30	1.02	1.02	1.02	1.02	1.02	0.61	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.34	1.02	1.02

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	0.22	0.12	0.12	0.12	0.12	0.25	0.25	0.49	0.56	0.56	0.75	1.24	2.56	1.24	1.24	1.24	0.56	5.34	4.89	5.54	10.65	2.74	0.56	0.22	10.65
2	0.17	0.15	0.15	0.15	0.15	0.13	0.88	1.36	6.50	13.00	15.00	15.14	15.00	12.00	8.00	6.55	3.19	3.00	4.62	12.00	12.51	0.95	0.44	0.17	15.14
3	0.12	0.12	0.06	0.06	0.12	0.12	0.49	5.00	12.00	12.00	10.90	15.00	15.00	11.81	7.12	5.00	6.80	5.00	5.00	15.00	16.50	7.33	2.00	0.12	16.50
4	0.05	0.01	0.01	0.01	0.01	0.05	0.12	0.12	0.12	0.12	0.27	0.27	0.27	0.27	0.12	0.12	0.12	0.55	1.60	2.25	2.12	1.60	0.41	0.05	2.25
5	0.15	0.05	0.01	0.01	0.00	0.02	0.05	0.17	0.22	0.32	0.42	0.32	0.22	0.22	0.20	0.05	0.17	0.23	1.80	5.05	5.05	2.70	0.01	0.02	5.05
6	0.22	0.22	0.20	0.20	0.22	0.22	0.53	1.02	1.07	4.12	2.78	2.78	2.78	1.39	1.90	2.70	1.49	3.00	5.00	14.55	10.14	1.78	0.44	0.24	14.55
7	0.10	0.06	0.06	0.06	0.06	0.10	0.17	0.30	0.30	0.33	0.88	0.88	0.33	0.32	0.32	0.32	0.25	0.25	0.32	1.77	1.58	0.27	0.17	0.12	1.77
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.11
9	0.09	0.07	0.07	0.07	0.05	0.07	0.12	0.19	0.16	0.16	0.20	0.22	0.19	0.11	0.10	0.10	0.13	0.13	0.78	8.71	8.71	1.55	0.20	0.07	8.71
10	0.10	0.05	0.00	0.00	0.00	0.05	0.12	0.60	0.71	0.94	0.60	0.50	0.50	0.44	0.37	0.31	0.37	0.25	0.76	2.18	2.18	0.78	0.10	0.05	2.18
11	0.09	0.09	0.09	0.09	0.10	0.10	0.12	0.19	0.24	0.21	0.16	0.16	0.12	0.12	0.12	0.11	0.12	0.12	0.31	1.92	1.56	0.30	0.12	0.10	1.92
12	0.05	0.05	0.05	0.05	0.02	0.05	0.06	0.06	0.13	0.15	0.07	0.11	0.07	0.06	0.06	0.06	0.06	0.06	0.12	0.88	0.56	0.12	0.05	0.02	0.88
13	0.02	0.01	0.01	0.01	0.01	0.02	0.12	0.05	0.13	0.27	0.13	0.21	0.11	0.11	0.08	0.07	0.09	0.06	0.50	3.12	3.00	0.50	0.05	0.02	3.12
14	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.11	0.11	0.09	0.06	0.05	0.05	0.05	0.05	0.02	0.05	0.17	0.25	0.06	0.02	0.00	0.00	0.25
15	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.03	0.38	0.66	0.50	0.38	0.05	0.05	0.05	0.05	0.02	0.02	0.05	0.05	0.05	0.05	0.03	0.02	0.66
16	0.03	0.03	0.03	0.03	0.03	0.05	0.33	0.56	0.67	0.52	0.45	0.49	0.33	0.33	0.33	0.25	0.25	0.38	1.21	4.54	2.56	1.23	0.45	0.16	4.54
17	0.20	0.18	0.18	0.18	0.13	0.32	0.64	1.55	2.80	5.77	3.76	5.69	3.76	2.80	2.69	2.80	5.77	5.77	7.06	19.00	10.69	1.52	0.69	0.30	19.00
18	0.06	0.02	0.02	0.02	0.02	0.06	0.32	0.69	0.69	0.44	0.32	0.32	0.29	0.32	0.29	0.29	0.32	0.32	2.38	8.55	3.56	0.32	0.13	0.06	8.55
19	0.19	0.22	0.22	0.22	0.12	2.01	5.67	11.00	11.50	9.00	9.00	10.00	7.61	10.00	11.50	11.50	11.50	11.50	25.00	32.03	20.50	10.90	3.00	0.57	32.03
20	5.00	4.86	5.00	3.75	5.00	12.00	25.36	27.40	28.03	25.69	20.10	20.10	20.10	18.68	15.00	15.50	15.50	15.50	31.10	35.18	31.10	7.00	3.00	1.80	35.18
21	0.11	0.06	0.06	0.06	0.06	0.13	0.56	3.00	5.00	3.55	1.00	0.83	0.83	0.62	0.62	1.00	0.19	5.00	16.88	25.00	22.01	5.00	0.12	0.12	25.00
22	0.55	0.45	0.55	0.55	0.55	0.60	1.00	1.00	2.10	2.10	3.96	3.00	3.96	3.96	3.00	4.00	4.00	10.54	24.00	28.00	15.62	8.00	2.00	1.00	28.00
23	0.17	0.17	0.17	0.17	0.26	0.44	3.50	14.09	15.51	19.50	8.50	4.50	4.50	3.60	3.60	3.03	3.00	3.02	5.00	13.60	8.00	3.03	1.19	0.44	19.50
24	0.66	0.56	0.56	0.56	1.00	6.00	10.53	30.30	32.00	10.00	5.12	4.00	4.00	3.53	3.25	5.12	7.28	15.15	26.41	35.00	30.00	10.00	5.00	1.06	35.00
25	0.23	0.18	0.18	0.18	0.18	0.47	0.53	1.51	1.51	1.51	0.71	0.71	0.71	0.53	0.81	1.11	1.44	2.87	6.12	6.43	3.95	0.80	0.24	0.18	6.43
26	0.12	0.12	0.12	0.12	0.12	0.20	0.60	0.72	0.76	1.00	1.00	1.00	1.00	0.76	0.76	0.76	0.76	1.00	1.34	1.34	1.08	0.60	0.24	0.15	1.34
27	0.04	0.00	0.00	0.00	0.00	0.05	0.06	0.11	0.11	0.17	0.17	0.17	0.17	0.11	0.11	0.11	0.36	2.00	3.00	3.50	2.24	0.72	0.25	0.06	3.50
28	0.04	0.04	0.04	0.04	0.04	0.05	0.38	0.53	0.56	0.56	0.84	0.84	0.66	0.58	0.58	0.58	0.56	0.32	0.32	0.32	0.32	0.32	0.12	0.09	0.84
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.23	0.16	0.16	0.16	0.16	0.11	0.05	0.05	0.30	0.30	0.55	0.39	0.30	0.00	0.00	0.55
30	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.22	0.24	0.35	0.24	0.44	0.36	0.36	0.26	0.26	0.23	0.26	0.55	2.02	0.69	0.38	0.00	0.00	2.02

Congestion Income RO



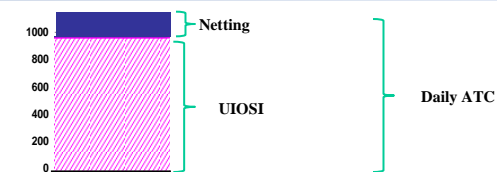
Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.09	12391	6195
02.09	42599	21300
03.09	49770	24885
04.09	3842	1921
05.09	5961	2980
06.09	18357	9179
07.09	3154	1577
08.09	134	67
09.09	7694	3847
10.09	4196	2098
11.09	2931	1466
12.09	1344	672
13.09	3454	1727
14.09	1618	809
15.09	994	497
16.09	5562	2781
17.09	28248	14124
18.09	7294	3647
19.09	61512	30756
20.09	112679	56340
21.09	40744	20372
22.09	50135	25068
23.09	40880	20440
24.09	96076	48038
25.09	12590	6295
26.09	9312	4656
27.09	5472	2736
28.09	4094	2047
29.09	1173	587
30.09	5626	2813
Total	639839	319919

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
8587	631251	6324	481951
639839		488275	

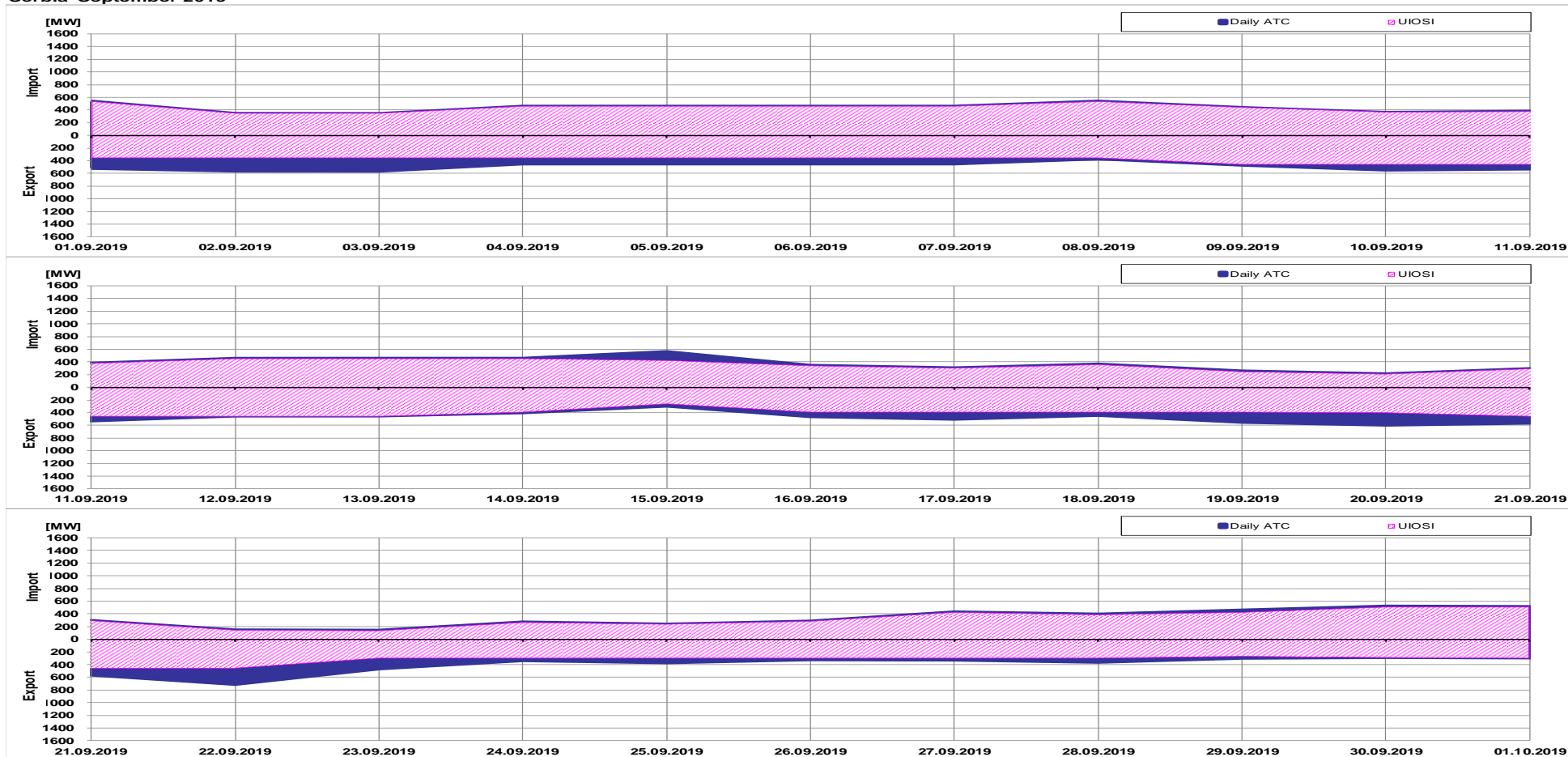
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
151563	75782

Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
364	356



Serbia September 2019

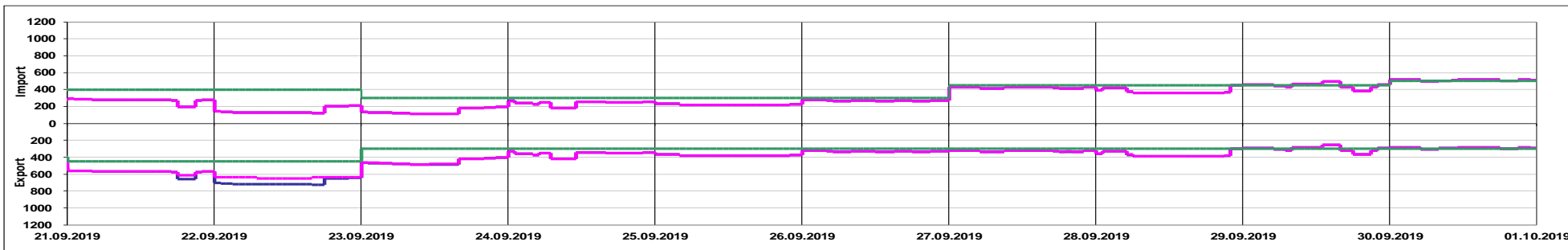
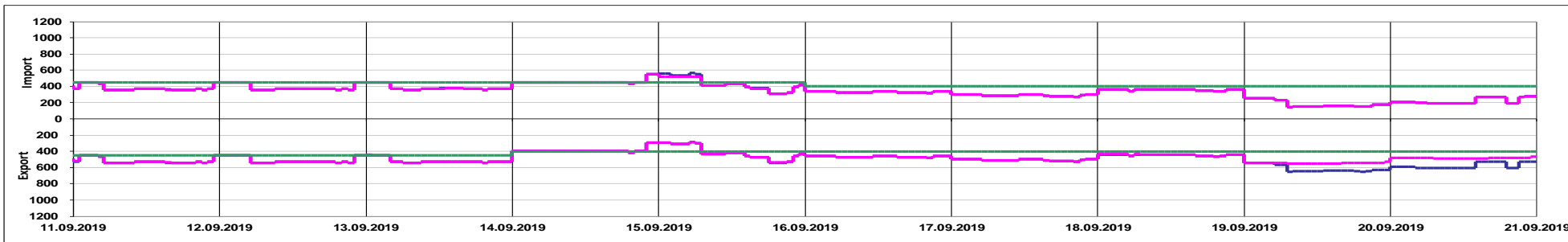
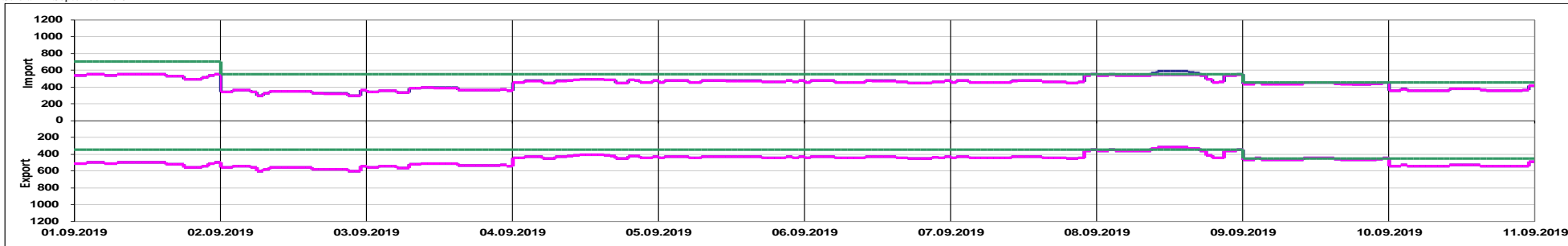




Daily Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist

Serbia September 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

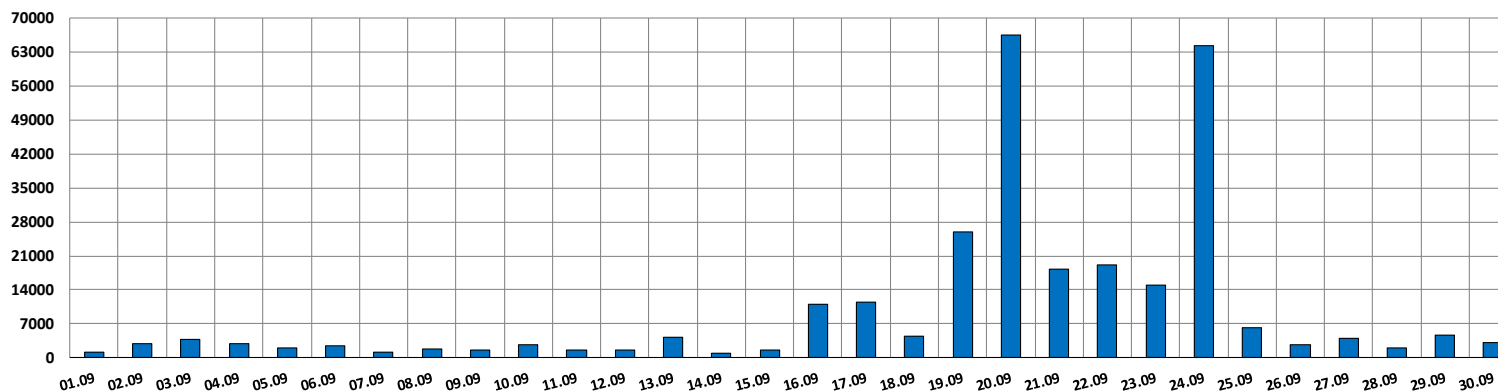
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.01	0.01	0.03	0.03	0.03	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03
2	0.03	0.03	0.04	0.04	0.04	0.03	0.01	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.01	0.04	0.04	
3	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08
4	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.22	0.22	0.22	0.22	0.22	0.22	0.19	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.22
5	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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
6	0.03	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05
7	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.07	0.07	0.07
8	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.44	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.61	0.44	0.27	0.27	0.09	0.20	0.20	0.20	0.20	0.76
9	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.05	0.05	0.08	0.11	0.11
10	0.02	0.02	0.03	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.06	0.06
11	0.03	0.05	0.05	0.05	0.04	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.04	0.05
12	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.02
13	0.06	0.06	0.06	0.06	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06
14	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.09	0.85	0.85
15	0.05	0.05	0.03	0.03	0.03	0.08	0.05	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.01	0.03	0.04	0.08	0.08
16	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.12	0.12	0.12	0.12	0.15	0.13	0.13	0.12	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.10	0.15
17	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.10
18	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.12	0.12	0.12	0.41	0.41	0.41	0.41	0.41	0.41	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.41
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	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02
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	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
24	0.09	0.05	0.05	0.05	0.05	0.09	0.06	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.09
25	0.10	0.10	0.10	0.10	0.10	0.10	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	0.09	0.09	0.09	0.09	0.10
26	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
27	0.77	0.77	0.77	0.77	0.77	0.77	0.60	0.51	0.51	0.60	0.77	0.77	0.60	0.60	0.60	0.60	0.31	0.22	0.15	0.11	0.11	0.07	0.09	0.09	0.77	
28	0.06	0.08	0.07	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.06	0.09	0.09	0.09	
29	0.44	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.30	0.30	0.30	0.30	0.30	0.30	0.44	0.44	0.41	0.22	0.22	0.15	0.15	0.15	0.22	0.22	0.22	0.44
30	0.36	0.36	0.36	0.36	0.36	0.26	0.26	0.22	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.36	0.44	0.44	0.44	0.44

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	0.14	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	0.15	0.15	0.15	0.30	0.30	0.41	0.30	0.14	0.09	0.41	
2	0.41	0.29	0.29	0.29	0.29	0.51	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.56	0.56	1.00	1.00	1.00	1.00	0.88	0.41	0.29	1.00
3	0.33	0.29	0.27	0.27	0.29	0.56	1.00	1.00	1.00	1.00	0.88	0.88	0.88	0.88	0.88	0.88	0.77	1.00	1.00	1.00	1.00	0.88	0.53	0.51	1.00
4	0.11	0.11	0.09	0.09	0.09	0.11	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.25	1.10	1.90	1.70	1.70	1.00	0.31	0.12	1.90
5	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.14	0.14	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.16	0.77	1.50	1.50	0.55	0.20	0.12	1.50
6	0.16	0.14	0.14	0.14	0.14	0.16	0.14	0.23	0.23	0.23	0.16	0.12	0.12	0.12	0.12	0.16	0.16	0.75	1.80	2.00	1.90	0.75	0.32	0.17	2.00
7	0.11	0.10	0.10	0.11	0.11	0.11	0.10	0.10	0.13	0.10	0.08	0.09	0.09	0.09	0.09	0.11	0.11	0.16	0.62	0.66	0.66	0.32	0.14	0.08	0.66
8	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.11	0.11	0.04	0.03	0.00	0.11
9	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.45	0.88	0.88	0.78	0.28	0.11	0.88
10	0.35	0.44	0.44	0.35	0.33	0.28	0.65	0.88	1.05	1.05	0.65	0.65	0.54	0.54	0.32	0.32	0.32	0.32	0.83	1.10	1.00	0.88	0.44	0.17	1.10
11	0.16	0.09	0.09	0.09	0.11	0.16	0.17	0.21	0.21	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.26	0.88	1.80	1.50	0.17	0.16	0.08	1.80
12	0.06	0.06	0.06	0.06	0.06	0.16	0.17	0.65	0.65	0.65	0.21	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.86	1.66	1.50	0.17	0.11	0.09	1.66
13	0.12	0.12	0.12	0.12	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.21	0.21	0.21	0.24	0.56	3.80	6.07	5.11	2.51	1.00	0.26	6.07
14	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.15	0.11	0.11	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.08	0.08	0.02	0.02	0.15
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.25	0.25	1.20	3.56	3.56	1.00	0.05	0.01	3.56
16	0.37	0.37	0.37	0.50	0.50	2.00	5.00	2.50	2.50	2.50	1.60	0.55	0.55	0.55	0.55	0.55	5.92	7.00	8.00	8.00	8.00	6.00	0.26	0.26	8.00
17	0.66	0.66	0.66	0.66	0.66	1.50	3.50	1.50	1.50	1.50	1.50	1.32	1.22	1.22	1.50	1.66	6.12	7.12	9.20	15.00	11.20	6.00	1.00	1.00	15.00
18	0.26	0.26	0.26	0.26	0.26	0.55	0.66	1.10	1.10	1.10	0.55	0.55	0.55	0.55	0.27	0.27	0.32	0.71	2.69	4.81	3.09	0.51	0.27	0.27	4.81
19	0.33	0.33	0.33	0.33	0.43	5.25	6.18	25.50	20.00	20.00	20.00	15.50	19.50	19.50	18.50	18.50	18.50	20.00	20.00	29.50	20.00	18.00	8.74	1.67	29.50
20	7.00	7.00	7.00	5.00	6.12	13.33	28.94	30.00	30.52	34.00	29.98	40.00	40.00	40.00	28.74	28.62	39.72	29.40	37.48	45.00	45.00	25.00	6.00	6.61	45.00
21	2.22	3.87	3.87	3.87	3.87	2.56	2.56	6.00	5.85	3.12	2.17	1.32	1.13	1.13	1.21	2.45	3.00	7.35	25.00	30.50	30.50	7.56	4.00	2.17	30.50
22	4.86	4.11	3.50	3.50	3.50	5.26	4.85	11.09	12.51	10.34	8.02	6.97	9.13	7.91	7.90	13.91	21.67	17.00	25.00	25.26	18.00	12.00	6.25	6.12	25.26
23	0.89	1.00	1.43	2.25	2.51	5.50	15.00	25.26	25.00	25.30	20.06	8.67	8.50	8.50	5.80	8.00	5.50	5.50	6.80	15.00	15.00	8.00	4.05	1.22	25.30
24	2.00	1.98	2.25	3.00	7.00	12.00	27.00	45.76	45.33	35.00	35.00	25.00	25.00	25.00	25.00	25.00	25.00	35.00	36.72	40.16	35.35	35.00	7.28	2.00	45.76
25	0.77	1.10	1.10	1.10	1.10	2.00	2.00	2.56	2.56	1.60	1.50	0.88	0.88	0.86	0.88	0.88	1.50	1.90	5.55	11.00	6.12	2.00	1.50	1.26	11.00
26	0.46	0.46	0.46	0.46	0.66	0.92	1.16	1.40	1.12	0.69	0.59	0.59	0.66	0.59	0.59	0.59	0.59	0.59	0.88	1.00	0.80	0.59	0.51	0.45	1.40
27	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	1.31	2.36	2.60	1.14	0.45	0.36	0.12	2.60
28	0.41	0.26	0.26	0.26	0.36	0.44	0.56	0.66	0.66	0.36	0.26	0.26	0.26	0.26	0.26	0.36	0.63	0.56	0.76	0.76	0.56	0.26	0.22	0.12	0.76
29	0.15	0.15	0.22	0.22	0.22	0.22	0.30	0.80	0.80	0.80	0.22	0.22	0.22	0.17	0.17	0.17	1.80	1.80	2.00	2.00	2.00	1.80	0.22	0.09	2.00
30	0.50	0.50	0.50	0.50	0.50	0.57	0.50	0.58	0.58	0.58	0.25	0.25	0.20	0.20	0.20	0.20	0.20	0.20	0.32	0.32	0.32	0.18	0.11	0.11	0.58

Congestion IncomeRO



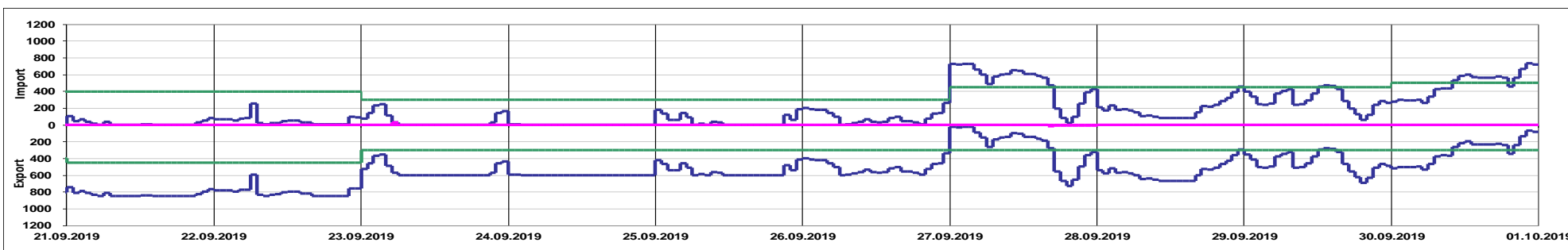
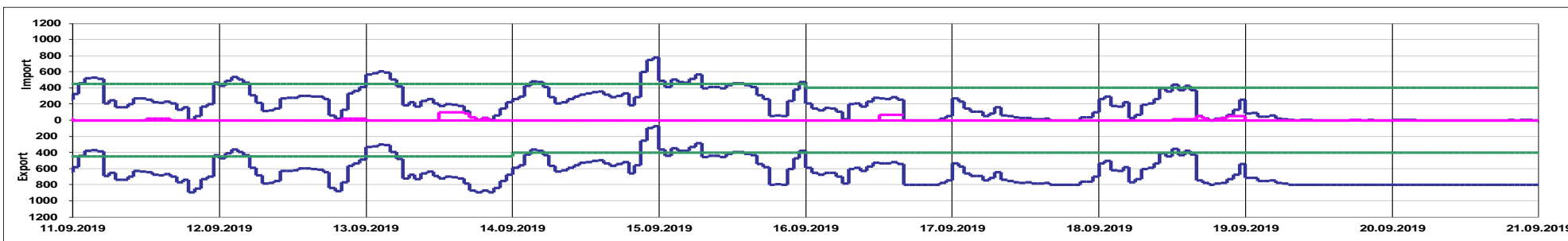
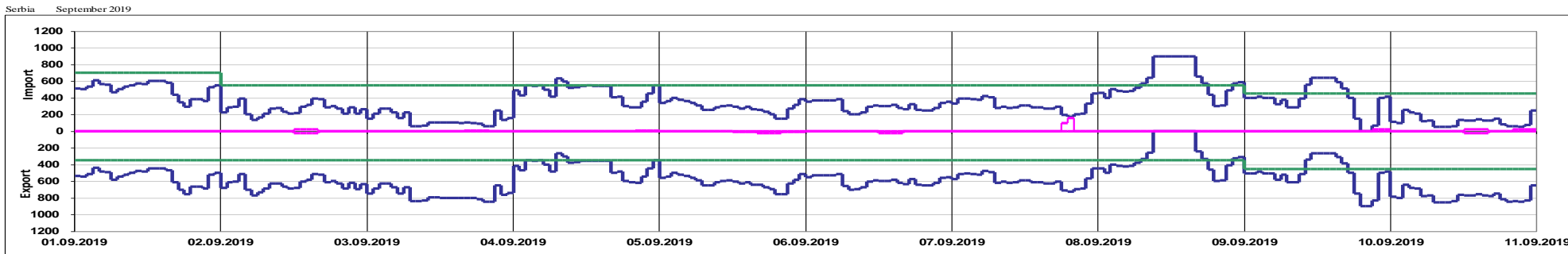
Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.09	2406	1203
02.09	5996	2998
03.09	7399	3700
04.09	6057	3029
05.09	4154	2077
06.09	5099	2550
07.09	2351	1175
08.09	3603	1801
09.09	3237	1619
10.09	5327	2664
11.09	3006	1503
12.09	3332	1666
13.09	8466	4233
14.09	1749	874
15.09	3417	1708
16.09	22158	11079
17.09	22918	11459
18.09	9006	4503
19.09	51681	25841
20.09	132885	66442
21.09	36388	18194
22.09	38483	19241
23.09	30163	15082
24.09	128703	64352
25.09	12299	6149
26.09	5293	2647
27.09	8168	4084
28.09	4057	2028
29.09	9163	4581
30.09	6471	3236
Total	583434	291717

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
25619	557815	22479	555541
583434		578020	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
5414	2707

Intraday Auctions on Romanian – Serbian border

Societate Administrată în sistem Dualist



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

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

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

Intraday Auctions on Romanian – Serbian border

Auction Price [Euro/MWh] - Export

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

Serbia September 2019



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
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	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
20	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
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
24	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
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
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

Serbia

September 2019

Statistics on Monthly Auction

September 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
Hungary export	Number of Capacity Traders	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
	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	
	Number of Bids	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
Hungary import	Number of Capacity Traders	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
	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	
	Number of Bids	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	
Bulgaria export	Number of Capacity Traders	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
	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	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
Bulgaria 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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	Number of Bids	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	Number of Bids	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
Serbia import	Number of Capacity Traders	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	10	10	10	
	Number of Capacity Holders	9	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	6	6	
	Number of Bids	42	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	48	48	
Ukraine export	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ukraine import	Number of Capacity Traders	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Number of Capacity Holders	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Number of Bids	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

September 2019	Maximum	Minimum
Number of Capacity Traders	31	3
Number of Capacity Holders	16	3
Number of Bids	87	8

Statistics on Daily Auctions

September 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
Serbia Export	Maximum Number of Capacity Traders	7	7	7	8	6	7	6	7	7	5	8	7	7	7	6	7	8	8	7	6	8	8	7	7	7	8	8	8	8	8
	Maximum Number of Capacity Holders	7	7	7	6	6	6	6	5	7	5	8	7	7	7	6	7	7	7	7	6	8	8	6	6	7	6	6	7	5	6
	Maximum Number of Bids	16	18	20	28	20	20	18	23	22	19	25	23	24	25	18	28	34	28	22	22	27	22	20	22	23	26	27	24	22	28
Serbia Import	Maximum Number of Capacity Traders	7	8	6	7	7	8	8	6	8	7	7	7	7	7	9	9	8	9	9	9	7	8	9	8	8	8	9	8	8	
	Maximum Number of Capacity Holders	7	6	6	5	7	7	7	6	7	7	7	6	6	6	6	6	6	5	5	6	5	6	6	7	7	6	7	4	7	
	Maximum Number of Bids	20	25	26	28	30	29	33	17	26	29	27	26	39	22	22	32	35	31	35	40	38	29	29	36	35	33	33	31	29	30
Bulgaria Export	Maximum Number of Capacity Traders	7	7	9	11	9	8	11	8	11	9	10	11	11	10	8	9	11	10	10	8	13	10	10	12	12	14	12	14	11	12
	Maximum Number of Capacity Holders	7	7	9	11	9	8	11	7	10	9	10	11	10	10	8	9	11	10	10	8	12	10	10	11	11	12	12	13	9	10
	Maximum Number of Bids	17	17	15	21	18	15	20	14	21	17	24	23	20	23	16	20	20	21	18	17	22	21	21	26	22	32	23	24	20	24
Bulgaria Import	Maximum Number of Capacity Traders	13	13	14	14	13	14	14	11	13	13	11	11	13	12	11	12	14	11	16	15	15	12	13	15	12	15	13	12	12	10
	Maximum Number of Capacity Holders	12	12	13	11	12	12	12	9	11	11	10	10	11	11	9	10	11	8	9	12	11	8	10	12	10	10	10	11	9	8
	Maximum Number of Bids	27	34	35	28	30	31	31	21	29	25	33	30	34	28	24	29	34	27	40	45	40	37	36	37	31	34	25	33	24	24

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

Statistics on Intraday Auctions

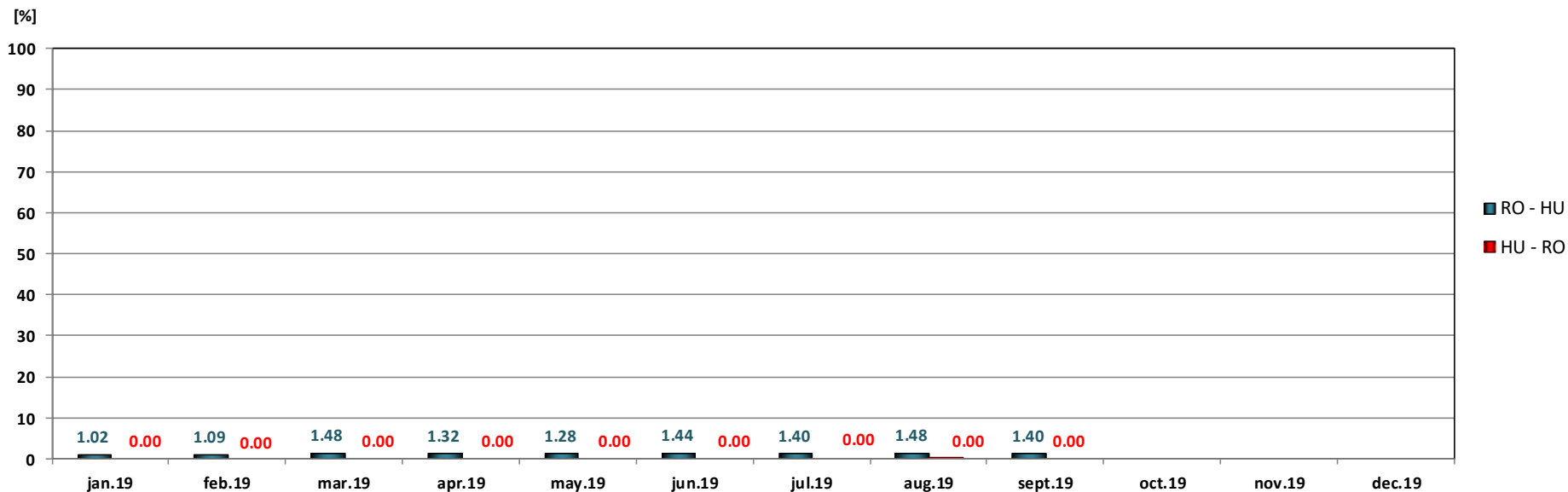
September 2019		Intraday Auctions																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Hungary Export	Maximum Number of Capacity Traders	0	3	1	2	2	2	0	0	1	2	2	1	2	0	0	1	1	0	0	1	0	1	2	1	2	1	1	0	1	1
	Maximum Number of Capacity Holders	-	3	1	2	2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

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

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity

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



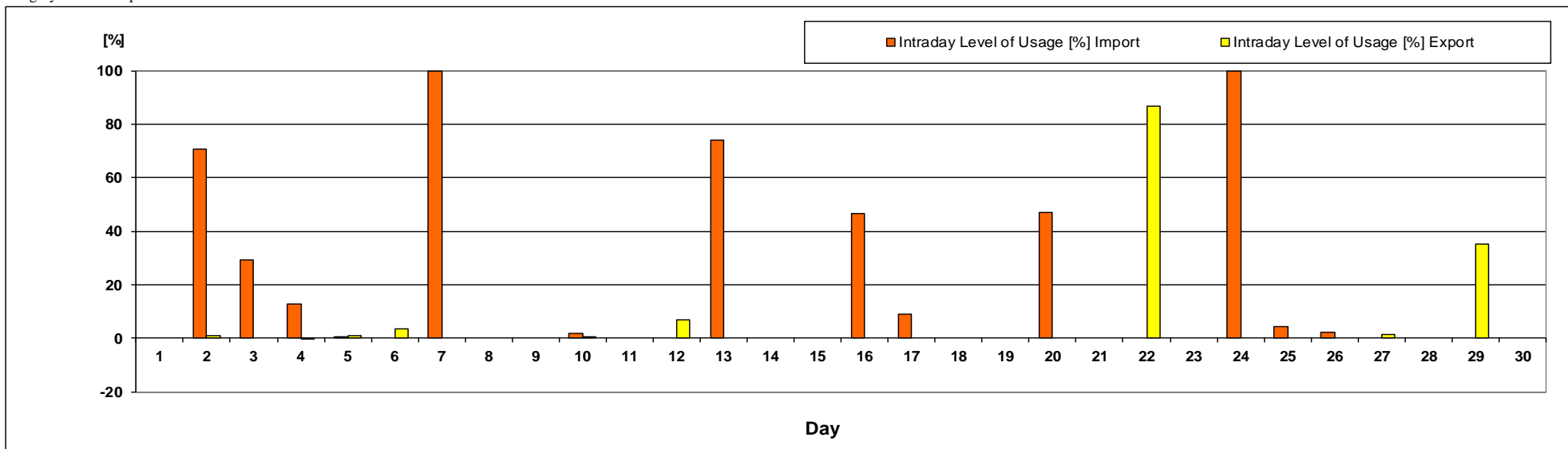
CET

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 after returns. From the beginning of the year, the average values (arithmetic) of usage level are: 1.32 % on export direction and 0 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary September 2019



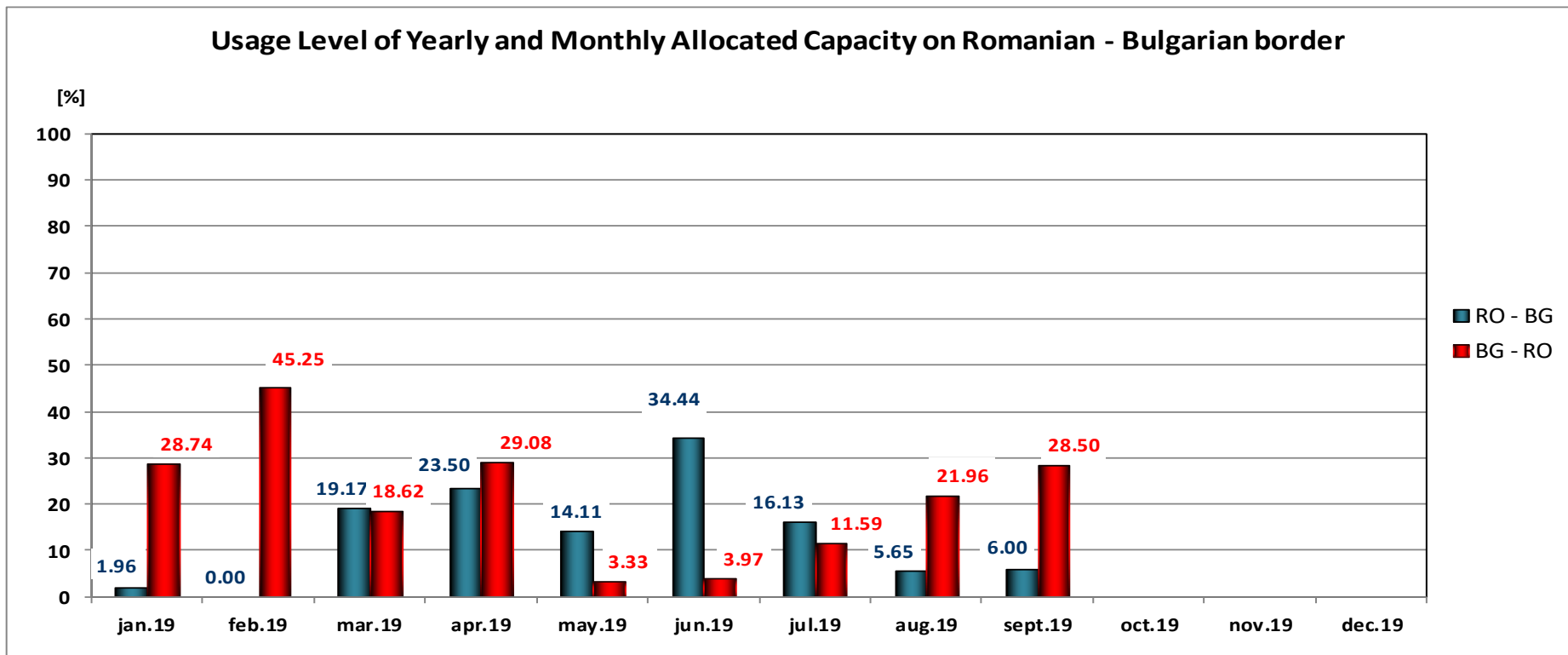
Intraday Level of Usage [%]

September 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
Import	-	70.59	29.15	12.67	0.29	0.00	100.00	-	0.00	1.67	0.00	0.00	74.05	-	-	46.50	8.75	-	-	47.09	-	-	0.00	100.00	4.43	2.19	0.00	-	-	0.00
Export	-	0.83	0.00	0.00	1.06	3.26	-	-	0.00	0.32	0.00	6.76	0.00	-	-	0.00	0.00	-	-	0.00	-	86.67	0.00	0.00	0.00	0.00	1.21	-	35.00	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 36.54 [%]
- Export 10.06 [%]

Usage Level of Allocated Capacity



CET

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

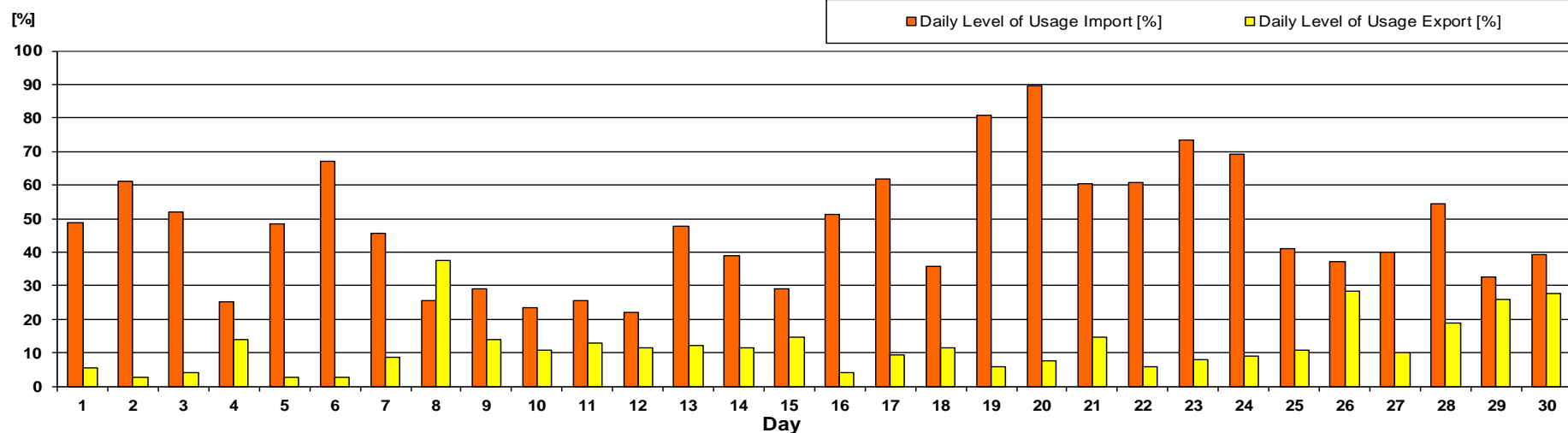
From the beginning of the year, the average values (arithmetic) of usage level are: 13.44 % on export direction and 21.23 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

RO-BG

September 2019



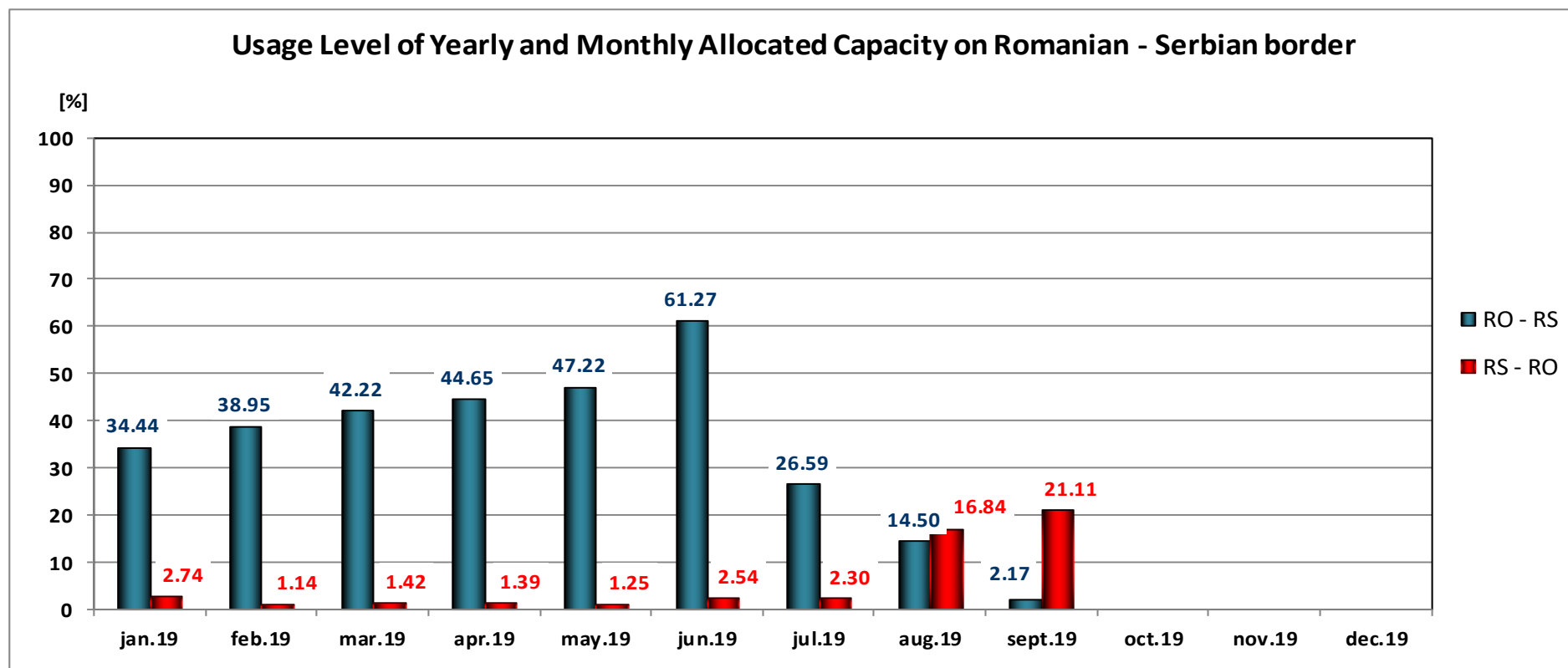
Daily Level of Usage [%]

September 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
Import	48.62	61.02	52.09	25.15	48.37	67.10	45.59	25.68	28.93	23.43	25.70	22.16	47.64	38.81	28.95	51.27	61.83	35.77	80.98	89.51	60.32	60.79	73.57	69.32	40.97	37.26	39.90	54.47	32.60	39.31
Export	5.53	2.53	4.08	13.87	2.73	2.49	8.53	37.44	13.87	10.91	12.75	11.55	12.19	11.37	14.54	4.03	9.18	11.41	5.84	7.64	14.73	5.97	8.03	9.09	10.86	28.22	10.03	18.75	25.80	27.66

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 46.32 [%]
- Export 12.01 [%]

Usage Level of Allocated Capacity



CET

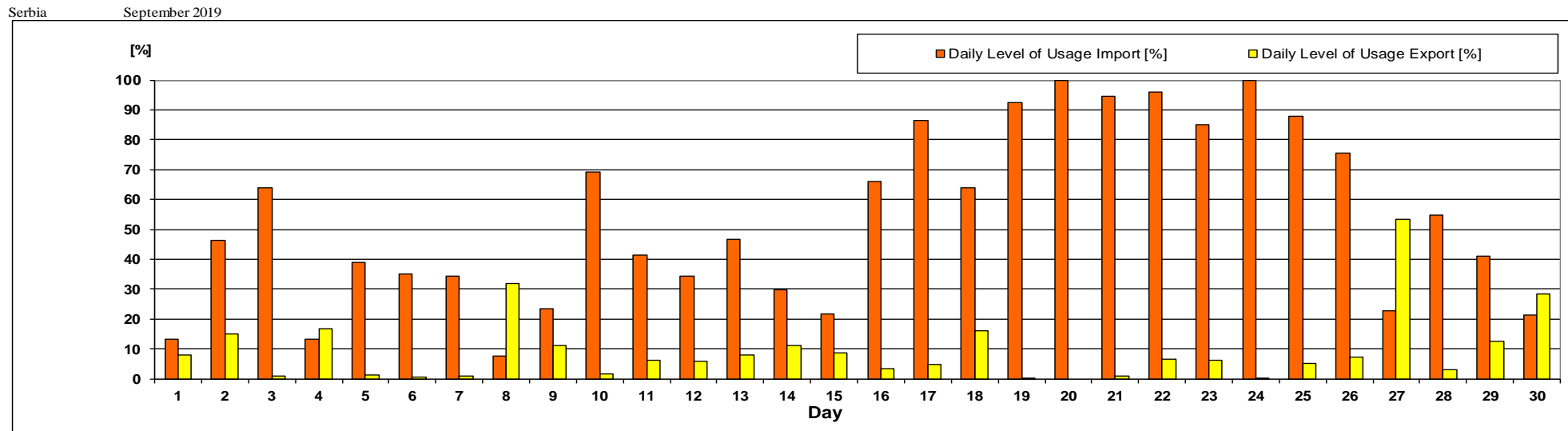
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions after returns.

From the beginning of the year, the average values (arithmetic) of usage level are: 34.67 % on export direction and 5.64 % on import direction.

Public

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity



Daily Level of Usage [%]

September 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
Import	13.05	46.24	63.92	13.14	38.85	35.17	34.38	7.57	23.57	69.29	41.26	34.32	46.75	29.64	21.59	65.93	86.39	63.95	92.35	100.00	94.56	95.80	84.99	100.00	87.78	75.49	22.74	54.70	41.11	21.18
Export	7.99	14.95	0.81	16.81	1.32	0.37	0.97	31.71	11.25	1.61	6.10	5.82	7.92	11.09	8.60	3.42	4.92	16.07	0.09	0.00	1.00	6.62	6.11	0.17	5.15	7.25	53.17	3.10	12.47	28.18

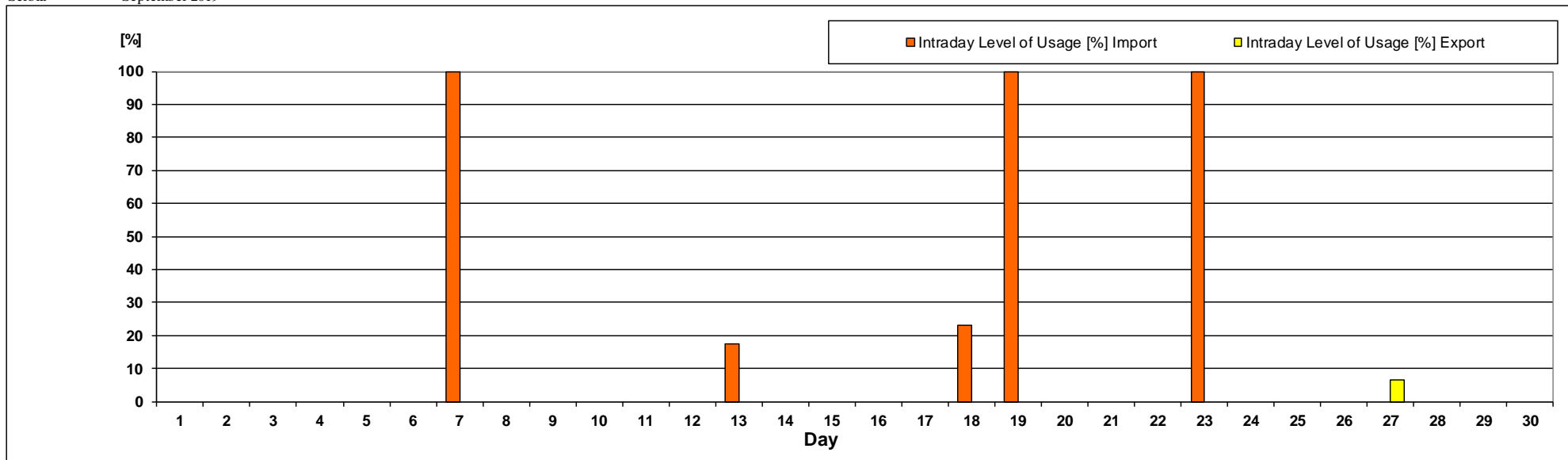
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 45.42 [%]
- Export 8.18 [%]

Usage Level of Intraday Allocated Capacity

Serbia

September 2019



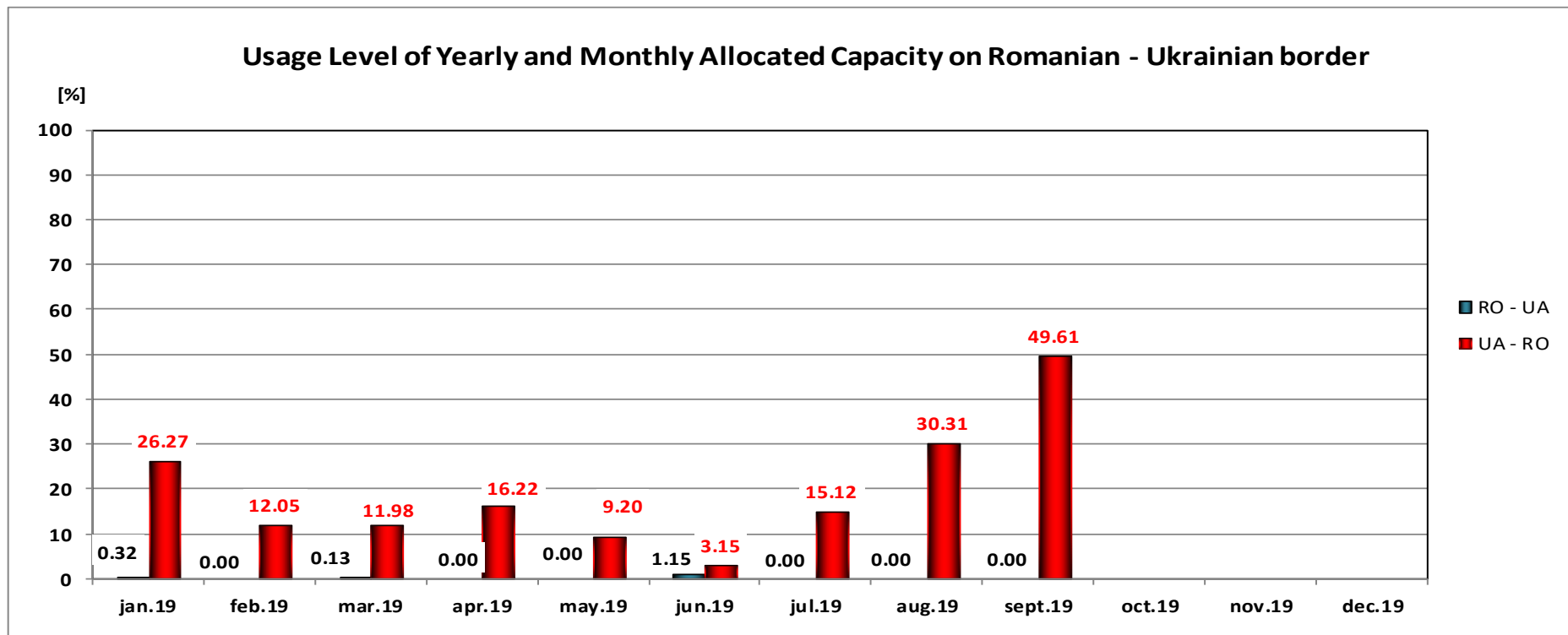
Intraday Level of Usage [%]

September 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
Import	-	0.00	0.00	0.00	-	-	100.00	-	0.00	0.00	0.00	0.00	17.43	-	-	0.00	-	23.08	100.00	-	-	-	100.00	-	-	-	-	-	-	-
Export	-	0.00	-	-	0.00	0.00	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.67	-	-	-	

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 23.27 [%]
- Export 1.22 [%]

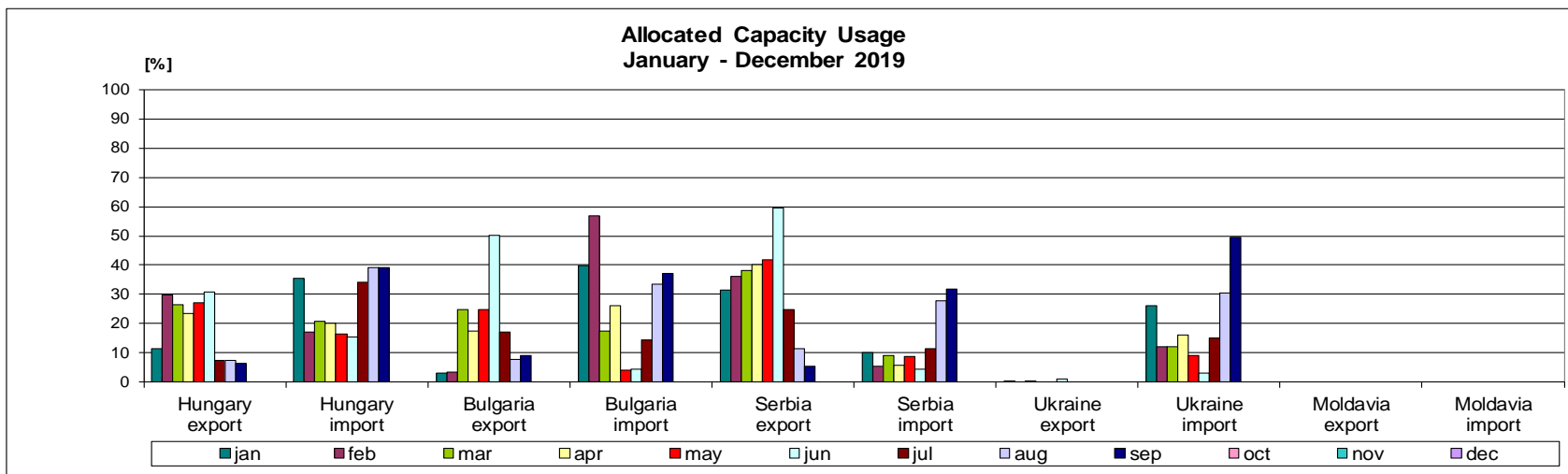
Usage Level of Allocated Capacity



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: 0.2 % on export direction and 19.32 % on import direction.



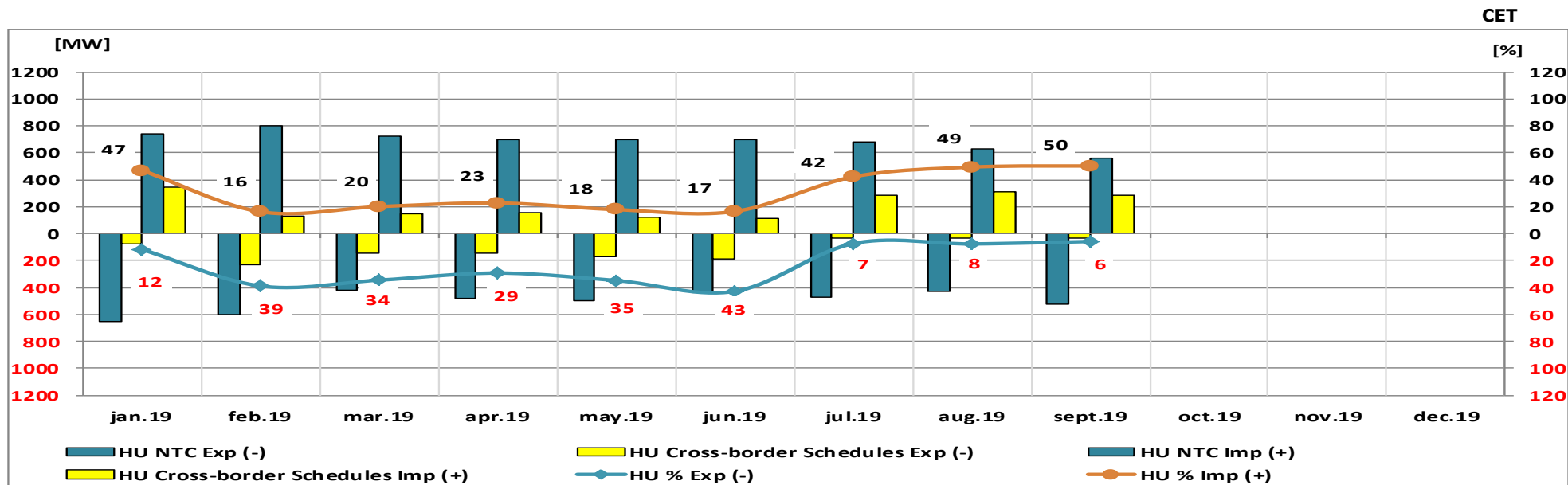
The level of usage of total capacity rights on one border and direction represent the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the total capacity rights.

[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	11.45	35.42	3.24	39.66	31.42	10.17	0.32	26.27	-	-
feb	29.85	17.03	3.57	56.84	36.18	5.51	0.00	12.05	-	-
mar	26.58	20.84	24.84	17.56	38.13	9.26	0.13	11.98	-	-
apr	23.63	20.08	17.40	25.97	40.28	5.82	0.00	16.22	-	-
may	27.03	16.41	24.88	3.96	41.97	8.71	4.47	9.20	-	-
jun	30.80	15.36	50.17	4.33	59.52	4.47	1.15	3.15	-	-
jul	7.33	34.16	17.25	14.32	24.68	11.50	0.00	15.12	-	-
aug	7.36	39.32	7.79	33.64	11.36	27.96	0.00	30.31	-	-
sep	6.54	39.03	9.15	37.07	5.46	31.92	-	49.61	-	-
oct										
nov										
dec										
average	18.95	26.41	17.59	25.93	32.11	12.81	0.20	19.32	-	-

Type B

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

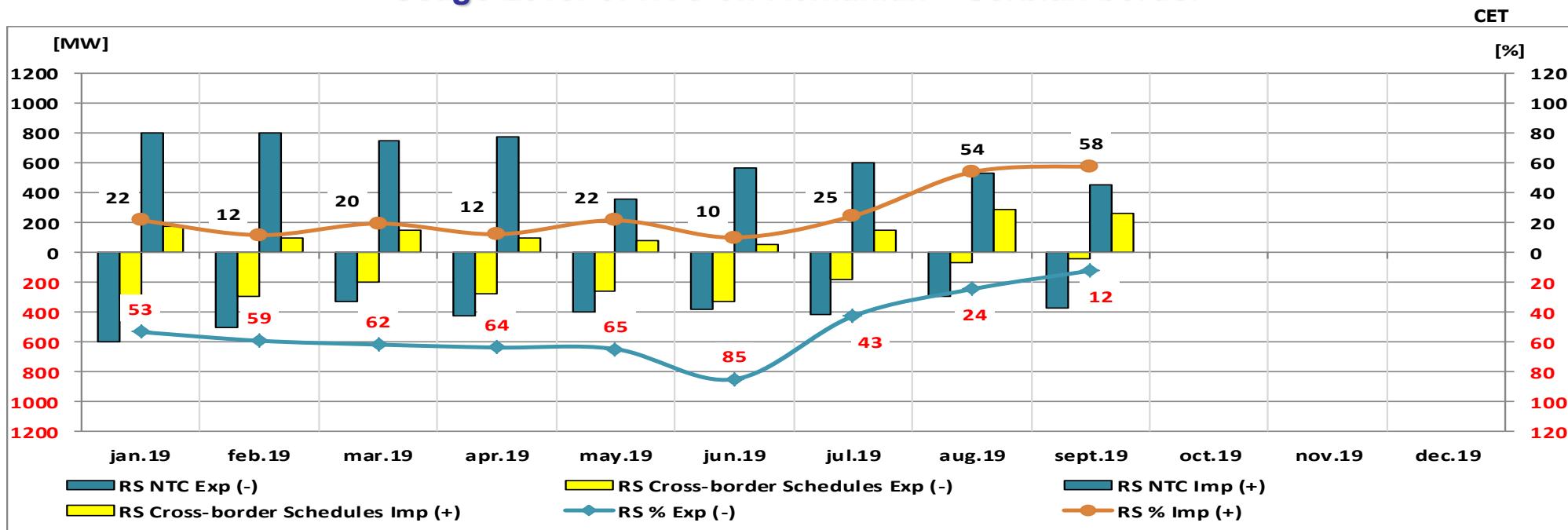
Usage Level of NTC on Romanian – Hungarian border



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

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: 23.6% on export direction and 31.41% on import direction.

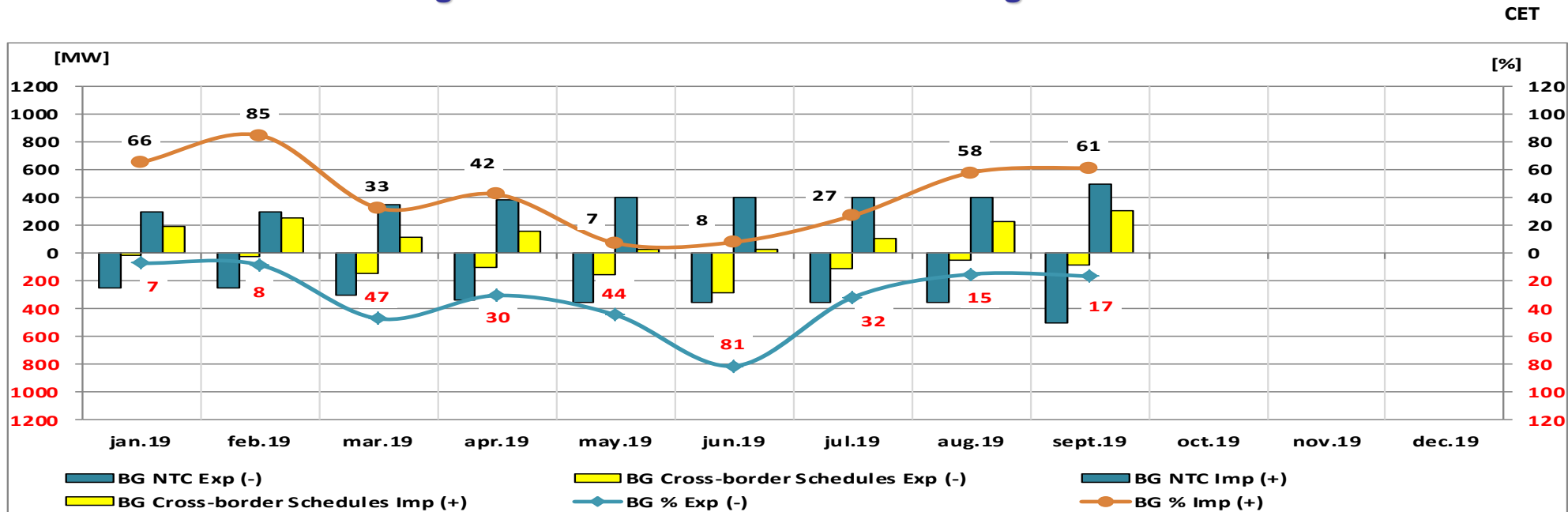
Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
RS NTC Exp (-)	-600	-500	-325	-427	-400	-383	-416	-289	-372			
RS Cross-border Schedules Exp (-)	-319	-295	-200	-271	-258	-325	-177	-71	-45			
RS NTC Imp (+)	800	800	753	773	360	567	603	531	452			
RS Cross-border Schedules Imp (+)	174	94	147	95	78	58	148	286	261			

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: 51.77% on export direction and 25.94% on import direction.

Usage Level of NTC on Romanian – Bulgarian border

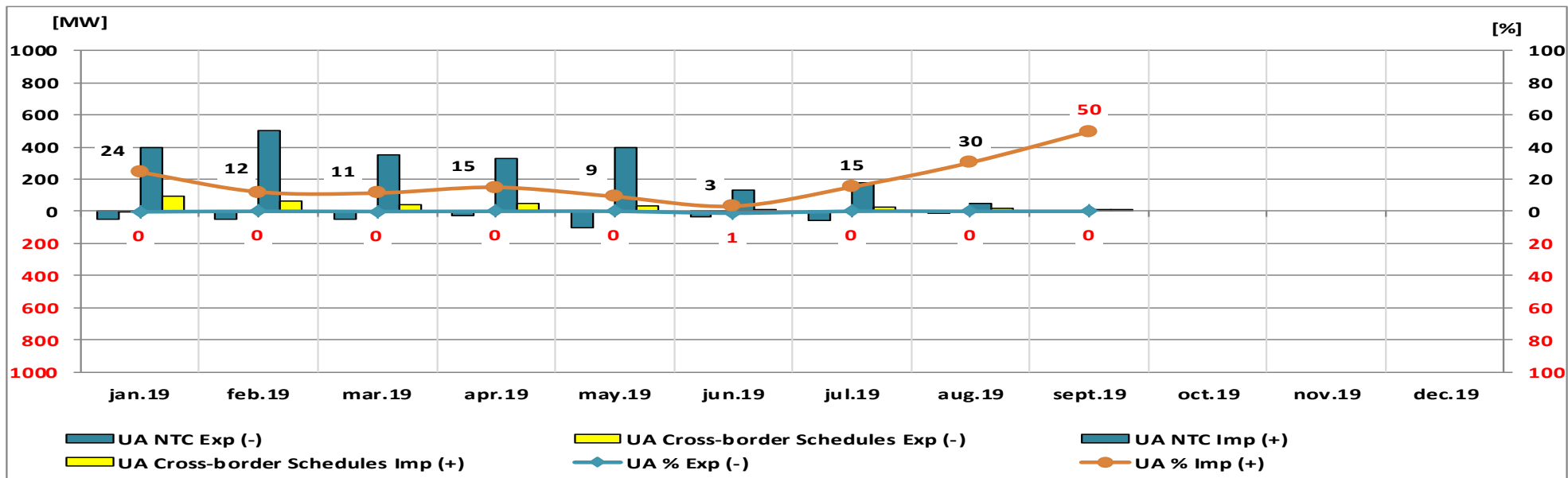


Bulgaria (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
BG NTC Exp (-)	-250	-250	-300	-333	-350	-350	-350	-350	-500			
BG Cross-border Schedules Exp (-)	-18	-21	-142	-101	-155	-284	-112	-53	-83			
BG NTC Imp (+)	300	300	350	383	400	400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

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: 31.36% on export direction and 43.03% on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



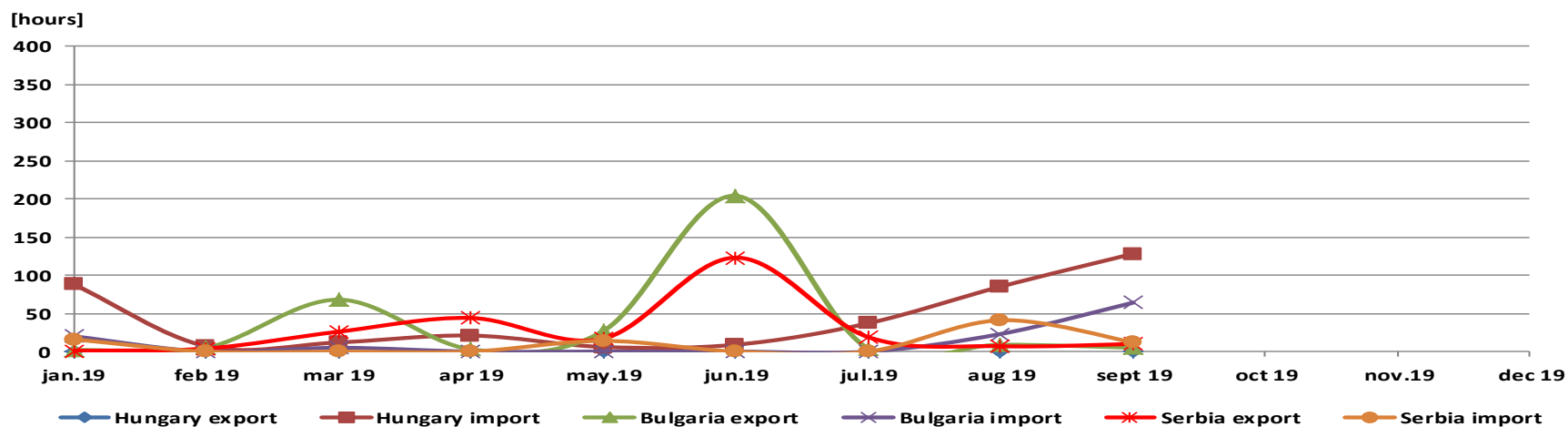
Ukraine (monthly averages values, MW)	jan.19	feb.19	mar.19	apr.19	may.19	jun.19	jul.19	aug.19	sept.19	oct.19	nov.19	dec.19
UA NTC Exp (-)	-50	-50	-50	-25	-100	-33	-58	-13	0			
UA Cross-border Schedules Exp (-)	0	0	0	0	0	0	0	0	-			
UA NTC Imp (+)	400	500	352	332	400	133	181	52	5			
UA Cross-border Schedules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

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: 0.2% on export direction and 18.9% on import direction.

Maximization of NTC Usage

CET

Number of hours in which the sum of nominated cross-border schedules is higher than NTC



Number of hours	jan.19	feb 19	mar 19	apr 19	may.19	jun.19	jul.19	aug 19	sept 19	oct 19	nov.19	dec 19
Hungary export	0	0	0	0	0	0	0	0	0			
Hungary import	88	7	12	21	6	9	37	85	128			
Bulgaria export	2	5	68	3	27	204	4	9	5			
Bulgaria import	20	0	5	0	0	0	0	23	64			
Serbia export	1	4	26	44	17	123	19	7	10			
Serbia import	16	0	0	0	14	0	0	41	12			

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

September 2019

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			Total		
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI
Hungary import	37.14	65.43	1935	75.00	93.75	5859	-	-	-	39.46	98.14	3481	29.17	56.09	1463
Hungary export	21.43	53.43	1261	26.32	61.40	1639	-	-	-	65.73	100.00	4946	15.75	41.37	878
Bulgaria import	26.67	69.33	1904	30.04	58.30	1540	27.02	60.06	1488	-	-	-	17.76	42.37	912
Bulgaria export	13.42	39.60	990	28.33	68.67	1824	29.57	70.04	1870	-	-	-	18.21	44.83	963
Serbia import	24.50	64.00	1672	27.28	70.25	2089	39.58	65.97	2186	55.60	100.00	4593	17.59	48.22	1227
Serbia export	33.50	68.50	2027	29.32	69.07	2056	36.55	71.23	2206	100.00	100.00	10000	20.02	50.54	1301
Ukraine import	-	-	-	50.00	100.00	3889	-	-	-	-	-	-	50.00	100.00	3889
Ukraine export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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