



**Transelectrica®**  
Societate Administrată în Sistem Dualist

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# **MARKET MONITORING REPORT**

## **Market for Allocation of Cross-Border Capacities**

**January 2022**

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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.

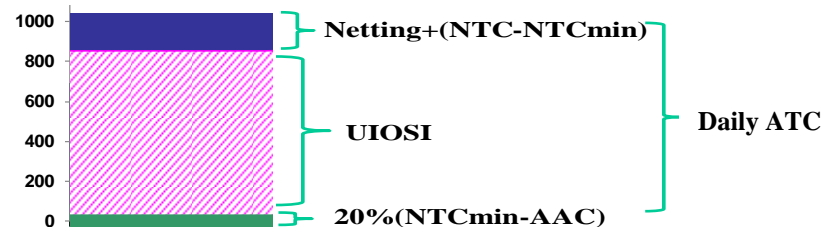
Using the records from the markets data base, Transelectrica prepares daily, weekly and monthly monitoring reports. A part of the data included in these reports (those data which are not confidential) is published on the website **[www.transelectrica.ro](http://www.transelectrica.ro)**

# General Remarks



- For year 2022 :

- ✓ on the Bulgarian border, the daily allocation is of implicit type as a result of the integration of RO – BG border in Single Day-Ahead Market Coupling (SDAC). In case of decoupling, the Joint Allocation Office (JAO) is the organizer of the explicit daily auctions (shadow auctions) for RO – BG border. Implicit intraday allocation with continuous trading is organized on the Bulgarian border, as a result of the integration of Romanian intraday market in SIDC (Single Intra-Day Market). In the event of decoupling, no explicit intraday auctions are organized on RO – BG border.
- ✓ on the Hungarian border, the daily allocation is of implicit type as a result of the integration of RO – HU border in Single Day-Ahead Market Coupling (SDAC). In case of decoupling, the Joint Allocation Office (JAO) is the organizer of the explicit daily auctions (shadow auctions) for RO-HU border. Implicit intraday allocations are held with continuous trading, as a result of the integration of Romanian intraday market in SIDC (Single Intra-Day Market). On this border the 15 minutes cross-border product is available. In the event of decoupling, no explicit intraday auctions are organized on RO – HU border.
- ✓ on the Serbian border, the bilateral coordinated allocation is done for 100% of total capacity: daily auctions are held by EMS (Serbia) and long term and intraday auctions are held by Transelectrica. The intraday 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.
- ✓ *UIOSI* („use it or sell it”) principle is applied on Hungarian, Bulgarian and Serbian borders. The “netting” is applied to daily and intraday allocation.
- ✓ 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 Romanian – Bulgarian, Romanian – Serbian and Romanian – Hungarian borders, the physical transmission rights are used in accordance with „m:n” nomination principle, for all time horizons;
- Daily auction results on the Serbian border (auction prices, allocated capacities) are provided by the Serbian TSO and long term auction results on the Hungarian and Bulgarian borders are provided by JAO;
- Usage of allocated capacity on Ukrainian border is restricted by the Ukrainian TSO agreement;
- Yearly auctions for 2022 were held on: import/export Hungary, import/export Bulgaria and import/export Serbia for the period 01.01 – 31.12.2022;
- Monthly auctions for January were held on: import/export Hungary, import/export Bulgaria, import/export Serbia and import/export Ukraine for the period 01.01 – 31.01.2022;
- Due to lack of request from participants, 10 MW capacity was not allocated at monthly auction on export direction to Ukraine, for the period 01.01 – 31.01.2022.



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# Market for Allocation of Cross-Border Capacities

## Yearly auction Results of 01 January – 31 December 2022

	Prices [euro/MWh]	Capacities [MW]					
	Results	TTC*	NTC*	ATC	Requested	Allocated	Final Rights**
<b>Hungary export</b>							
<i>01 January - 31 December 2022</i>	2.27	450	350	350	3872	350	350
<b>Hungary import</b>							
<i>01 January - 31 December 2022</i>	1.28	450	350	350	3662	350	350
<b>Bulgaria export</b>							
<i>01 January - 31 December 2022</i>	0.30	600	500	500	3106	500	500
<b>Bulgaria import</b>							
<i>01 January - 31 December 2022</i>	2.71	600	500	500	3283	500	500
<b>Serbia export</b>							
<i>01 January - 31 December 2022</i>	0.74	350	250	250	890	250	250
<b>Serbia import</b>							
<i>01 January - 31 December 2022</i>	0.60	350	250	250	981	250	250
<b>Ukraine export</b>							
<i>01 January - 31 December 2022</i>	-	0	0	-	-	-	-
<b>Ukraine import</b>							
<i>01 January - 31 December 2022</i>	-	0	0	-	-	-	-
<b>Moldavia export</b>							
<i>01 January - 31 December 2022</i>	-	-	-	-	-	-	-
<b>Moldavia import</b>							
<i>01 January - 31 December 2022</i>	-	-	-	-	-	-	-

Note:  
Requested = requested capacity that remains after automatic rejection of the offers with credit limit exceeded

Final rights = yearly allocated capacity (total value on the border and direction) after returns and withdrawals of rights (the results of non compliance with the contractual obligations).

## Monthly auction Results of 01 – 31 January 2022

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
<b>Hungary export</b> <b>01 - 31 January 2022</b>	11.27	800	700	350	350	0	280	2717	280	630
<b>Hungary import</b> <b>01 - 31 January 2022</b>	2.29	800	700	350	350	0	280	3051	280	630
<b>Bulgaria export</b> <b>01 - 31 January 2022</b>	0.29	1350	1250	750	500	0	600	4646	600	1100
<b>Bulgaria import</b> <b>01 - 31 January 2022</b>	4.56	1350	1250	750	500	0	600	3962	600	1100

Notes:

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

Requested = requested capacity that remains after automatic rejection of the offers with credit limit exceeded

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

## Monthly auction Results of 01 – 31 January 2022

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
<b>Serbia export</b> <b>01 - 31 January 2022</b>	6.20	500	400	150	250	-	150	812	150	400
<b>Serbia import</b> <b>01 - 31 January 2022</b>	0.25	600	500	250	250	-	250	591	250	500
<b>Ukraine export</b> <b>01 - 31 January 2022</b>	0.00	200	100	100	-	-	100	90	90	90
<b>Ukraine import</b> <b>01 - 31 January 2022</b>	2.50	400	300	300	-	-	300	730	300	300
<b>Moldavia export</b> <b>01 - 31 January 2022</b>	-	-	-	-	-	-	-	-	-	-
<b>Moldavia import</b> <b>01 - 31 January 2022</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Vulcanesti</b> <b>01 - 31 January 2022</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Costesti</b> <b>01 - 31 January 2022</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Cioara</b>	-	-	-	-	-	-	-	-	-	-

Notes:

Requested = requested capacity that remains after automatic rejection of the offers with credit limit exceeded

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



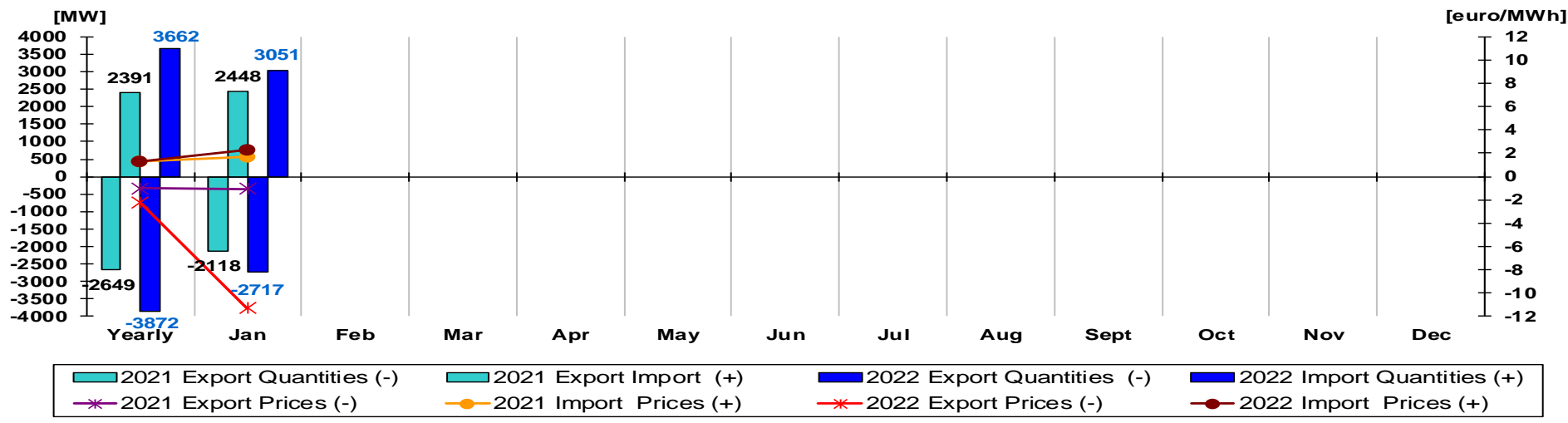
# Market for Allocation of Cross-Border Capacities



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



Border	Yearly	Jan. 22	Feb.22	Mar.22	Apr.22	May 22	Jun. 22	Jul. 22	Aug. 22	Sept. 22	Oct. 22	Nov.22	Dec. 22
Hungary export	2.27	11.27											
Hungary import	1.28	2.29											

Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Hungary export	1.03	1.05	0.72	0.33	0.54	0.58	0.53	0.33	0.40	0.25	0.25	0.49	0.29
Hungary import	1.28	1.67	0.96	0.78	0.77	0.64	1.77	1.18	0.43	0.38	1.67	0.55	0.44

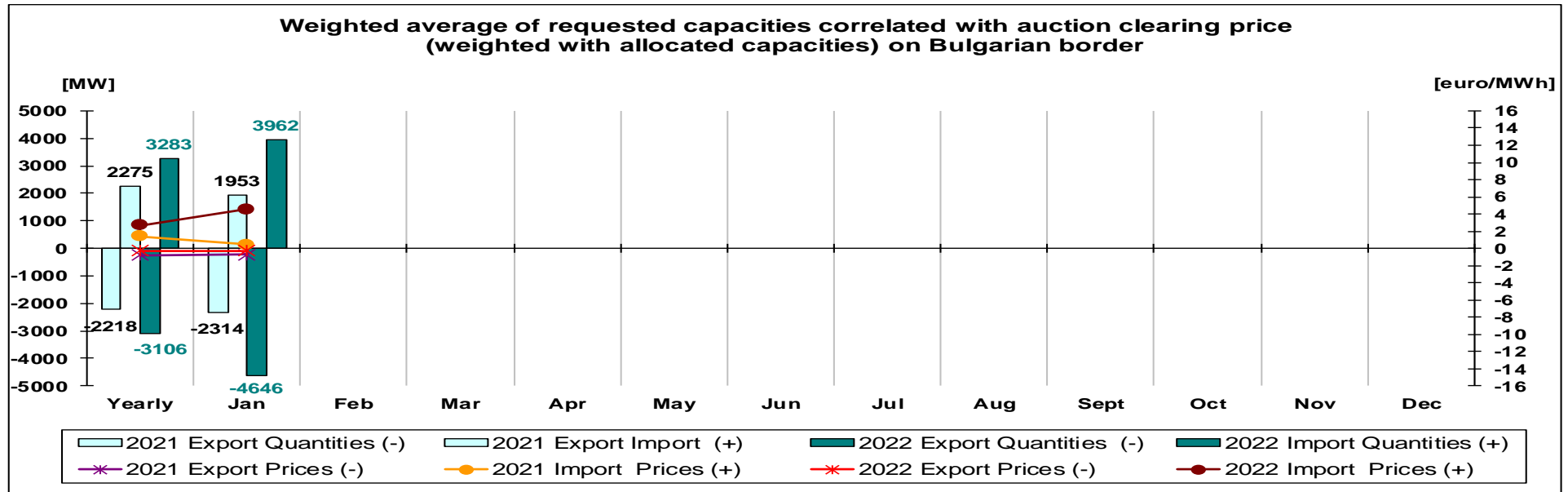
- Compared with previous year, in January 2022 there was a significant increase of the auction price on export direction, while offered capacity did not vary and requested capacity was higher. On import direction, monthly auction price increased compared with similar period of previous year, while offered capacity did not vary and requested capacity was higher.

# Market for Allocation of Cross-Border Capacities



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Border	Yearly	Jan. 22	Feb.22	Mar.22	Apr.22	May 22	Jun. 22	Jul. 22	Aug. 22	Sept. 22	Oct. 22	Nov.22	Dec. 22
Bulgaria export	0.30	0.29											
Bulgaria import	2.71	4.56											

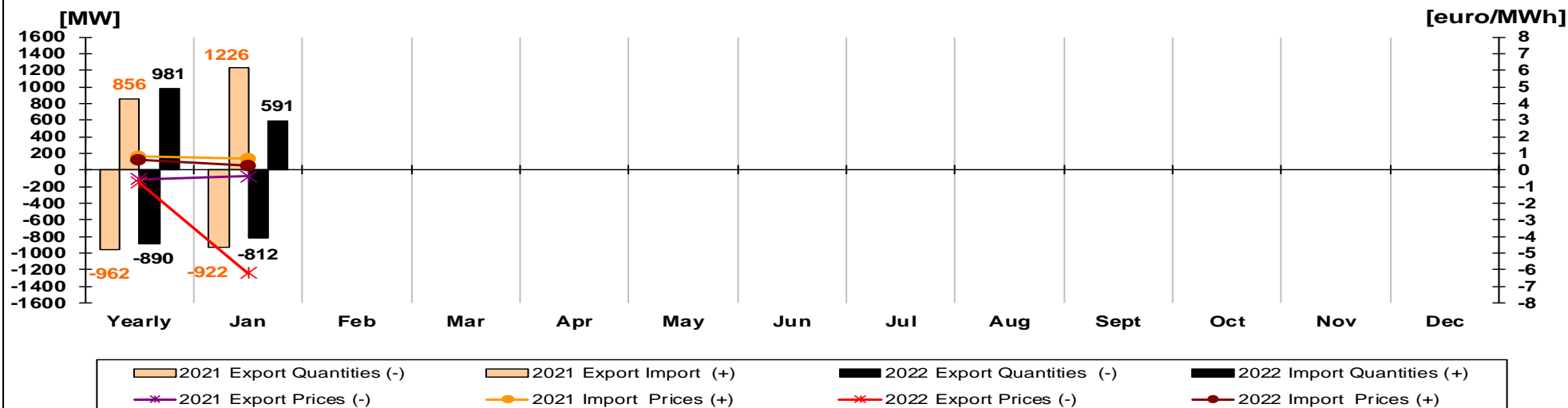
Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Bulgaria export	0.77	0.71	0.68	0.35	0.18	0.19	0.25	0.14	0.20	0.33	0.38	0.18	0.32
Bulgaria import	1.43	0.41	0.40	0.09	0.07	0.09	0.51	0.73	0.24	0.14	0.12	0.21	0.14

- Compared with previous year, in January 2022 the auction price decreased on export direction, while offered capacity and requested capacity were higher. On import direction, monthly auction price increased compared with similar period of previous year, while offered capacity and requested capacity were higher.

# Market for Allocation of Cross-Border Capacities



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



Border	Yearly	Jan. 22	Feb.22	Mar.22	Apr.22	May 22	Jun. 22	Jul. 22	Aug. 22	Sept. 22	Oct. 22	Nov.22	Dec. 22
Serbia export	0.74	6.20											
Serbia import	0.60	0.25											

Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Serbia export	0.56	0.36	0.32	0.13	0.07	0.24	0.12	0.05	0.16	0.22	0.07	0.16	0.13
Serbia import	0.82	0.66	0.52	0.29	0.32	0.43	1.08	1.50	0.35	0.17	0.51	0.41	0.37

- Compared with previous year, in January 2022 the auction price increased significantly on export direction, while offered capacity and requested capacity were lower. On import direction monthly auction price decreased, while offered capacity and requested capacity were lower.

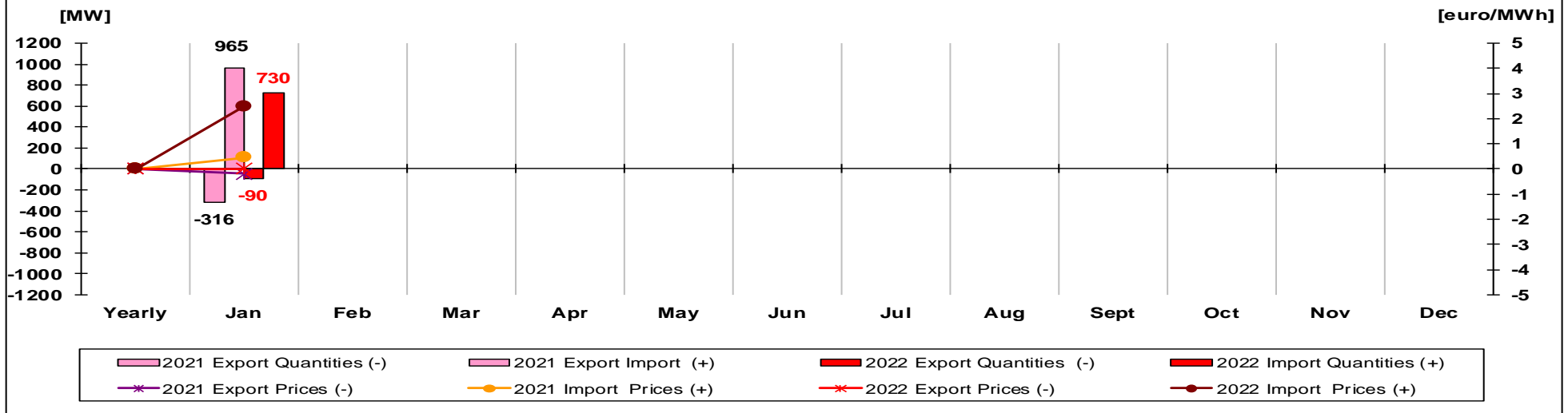
# Market for Allocation of Cross-Border Capacities



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



Border	Yearly	Jan. 22	Feb.22	Mar.22	Apr.22	May 22	Jun. 22	Jul. 22	Aug. 22	Sept. 22	Oct. 22	Nov.22	Dec. 22
Ukraine export	-	0.00											
Ukraine import	-	2.50											

Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Ukraine export	-	0.20	0.37	1.55	1.55	0.02	0.69	0.32	0.01	0.02	0.04	0.00	0.02
Ukraine import	-	0.45	0.55	0.44	0.23	0.02	0.03	0.02	0.02	0.02	0.12	0.09	0.11

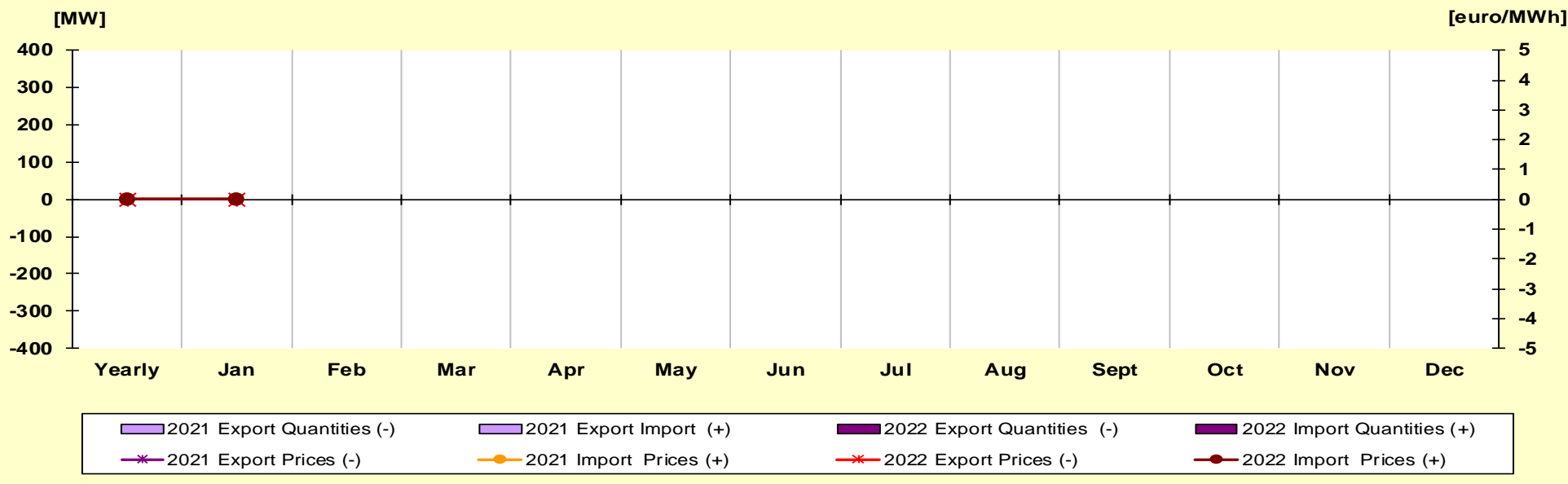
- Compared with previous year, in January 2022 the auction price increased on import direction, while offered capacity did not vary and requested capacity was lower. On export direction monthly auction price was zero.

# Market for Allocation of Cross-Border Capacities



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



Border	Yearly	Jan. 22	Feb.22	Mar.22	Apr.22	May 22	Jun. 22	Jul. 22	Aug. 22	Sept. 22	Oct. 22	Nov.22	Dec. 22
Moldavia export	-	-											
Moldavia import	-	-											

Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

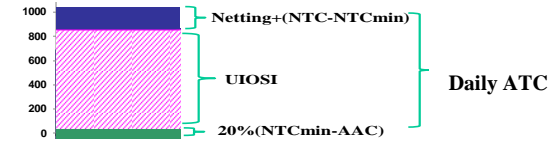


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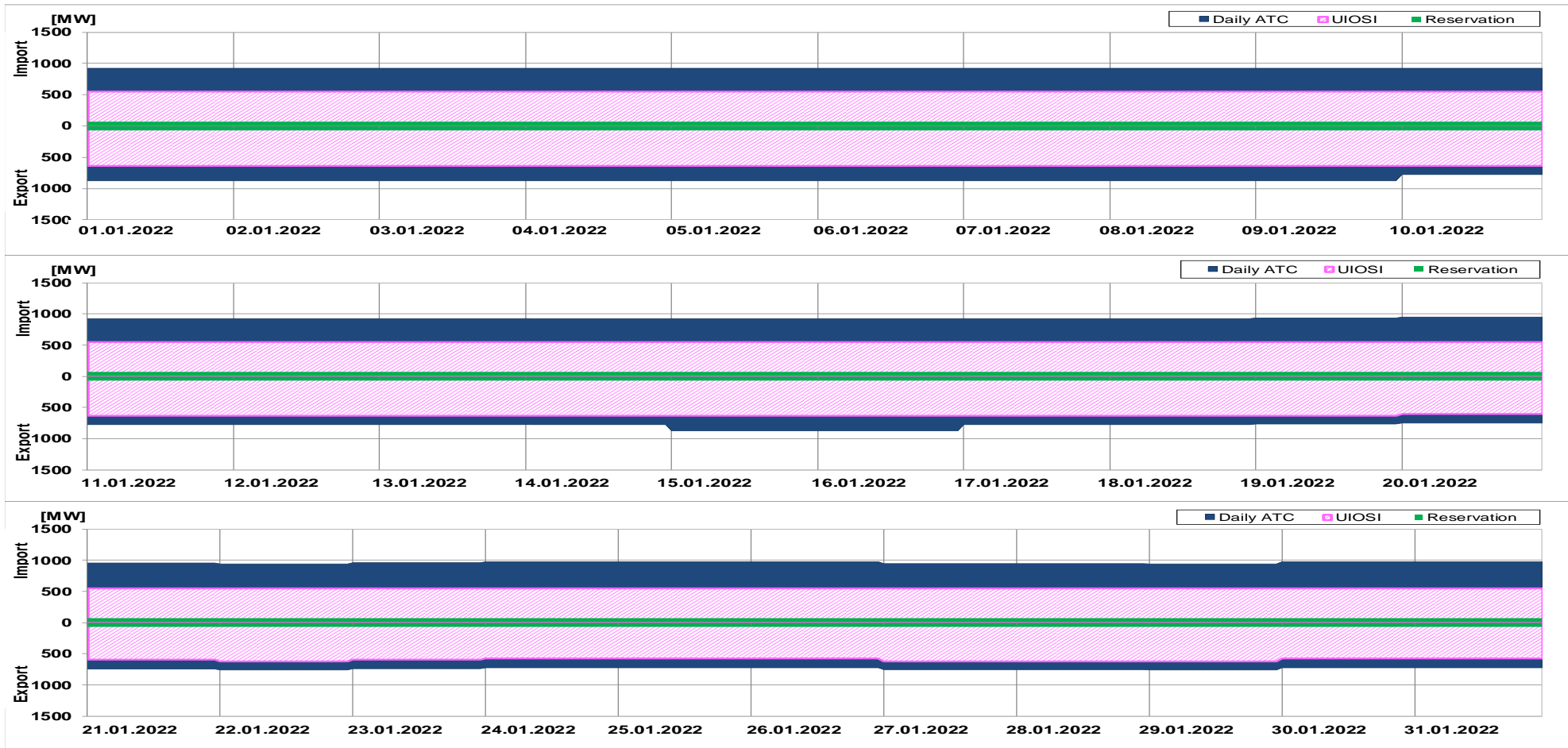
# Market for Allocation of Cross-Border Capacities

## 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
70	70	616	554



Hungary January 2022



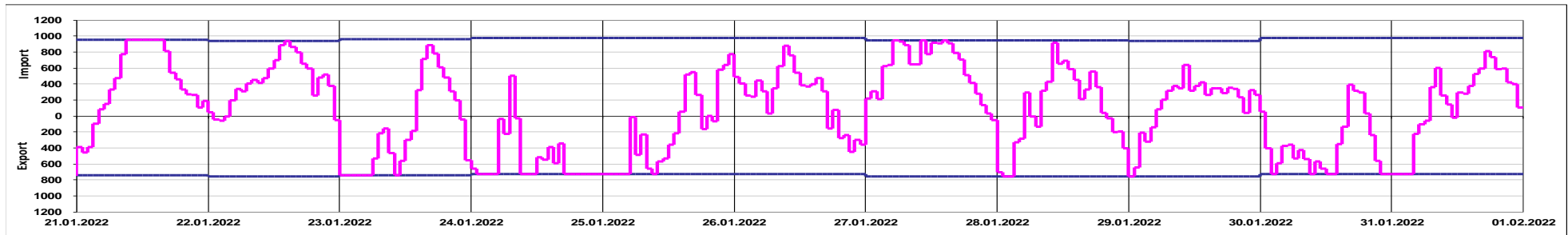
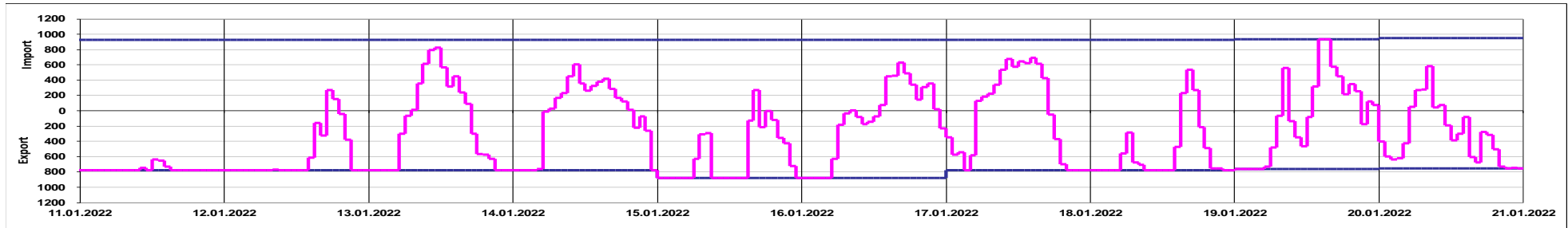
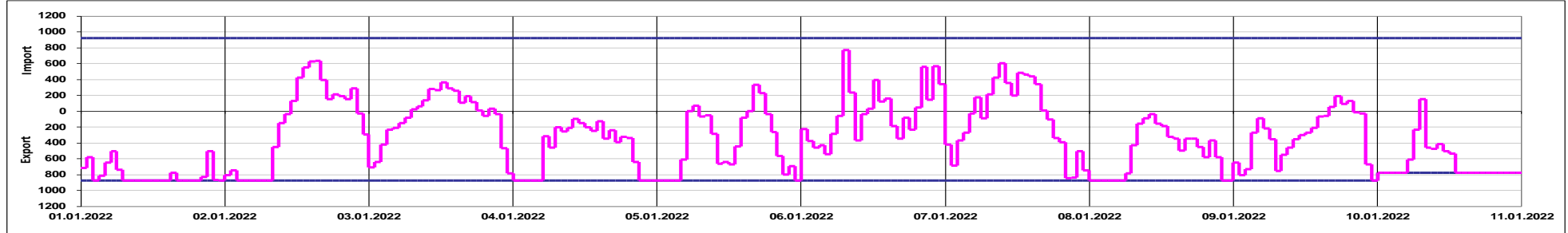


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# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian border

Hungary January 2022



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MW]

Public

# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian border



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### 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	61.84	41.33	43.09	45.46	37.67	39.70	40.59	43.06	40.62	43.51	45.96	62.44	64.44	63.96	79.94	101.00	121.86	121.87	121.88	136.94	121.88	102.61	97.46	43.08	136.94
2	57.08	52.59	43.09	20.21	9.70	9.70	9.70	24.33	48.95	60.01	70.09	66.26	64.54	73.77	133.97	157.92	194.21	245.00	225.19	179.59	163.74	113.00	46.29	32.93	245.00
3	20.89	9.70	9.70	7.07	8.99	15.34	80.00	113.00	141.08	135.53	135.53	120.54	135.50	117.00	130.00	180.02	180.07	153.44	148.10	135.54	125.00	98.90	108.44	96.93	180.07
4	55.91	53.04	52.79	53.45	86.90	114.50	156.91	226.64	227.96	232.70	190.16	182.52	182.46	179.59	192.00	201.90	243.11	210.26	197.19	180.05	156.12	120.17	113.00	86.90	243.11
5	101.06	57.91	53.47	58.67	79.11	94.79	118.04	134.45	154.60	147.18	138.56	129.99	131.97	130.67	134.60	146.61	161.18	178.76	179.56	175.72	158.60	137.15	144.44	119.64	179.56
6	131.92	128.47	113.21	111.55	130.84	158.39	189.10	228.25	230.82	212.90	215.50	231.90	226.00	209.20	216.06	230.77	245.95	274.11	273.44	252.54	231.96	213.07	198.05	143.48	274.11
7	148.04	134.78	115.24	115.24	116.27	131.03	147.00	215.60	248.58	192.23	188.88	189.18	187.39	181.69	182.27	199.58	239.00	266.86	254.99	240.97	227.91	213.81	194.95	165.09	266.86
8	140.51	117.34	117.34	117.34	125.23	140.55	166.00	182.91	215.89	231.00	228.95	215.39	206.68	185.00	169.52	173.88	200.89	210.24	188.85	179.31	162.02	156.04	140.54	140.53	231.00
9	117.32	125.25	120.02	72.62	62.51	117.32	125.24	140.54	175.57	183.09	189.09	218.90	208.96	165.06	170.09	189.04	225.55	257.35	253.65	242.94	238.42	214.02	215.88	198.24	257.35
10	140.52	125.23	117.32	117.32	117.32	191.65	237.44	299.95	313.92	315.00	310.41	310.08	300.00	297.01	272.27	248.50	235.20	222.71	140.51	117.32	113.00	62.51	50.00	9.71	315.00
11	50.99	33.56	25.57	32.02	52.81	117.32	117.32	239.88	273.50	256.88	275.67	259.97	252.59	248.38	255.01	248.65	283.27	268.75	256.88	140.52	145.56	117.32	113.00	113.00	283.27
12	51.73	42.89	36.24	37.04	72.61	148.18	235.92	248.74	300.10	279.91	242.53	234.51	230.22	210.00	234.77	240.01	255.00	284.82	285.97	269.03	239.93	148.22	148.20	132.39	300.10
13	131.36	131.36	131.39	140.74	157.12	198.24	232.79	285.93	289.37	262.26	237.09	228.01	200.19	207.41	226.96	247.71	266.88	288.42	278.90	262.95	212.15	117.29	145.04	117.29	289.37
14	131.39	131.36	131.35	131.38	164.67	156.67	219.58	261.78	269.67	230.00	196.32	188.71	181.14	172.04	194.01	241.56	257.09	267.59	265.47	243.35	221.76	209.96	199.76	174.97	269.67
15	143.27	127.77	113.00	113.00	113.00	143.28	190.27	207.11	215.34	218.39	198.00	119.75	119.75	119.75	189.10	213.98	226.32	260.00	267.03	261.41	243.62	221.96	214.99	119.75	267.03
16	130.89	119.76	119.76	130.90	146.59	172.26	175.01	191.90	200.00	204.86	204.50	204.43	198.10	188.61	191.90	230.19	249.26	269.64	269.98	267.55	254.90	209.49	178.59	162.52	269.98
17	128.58	123.83	113.00	119.76	130.91	141.19	251.59	291.18	294.95	274.51	224.47	216.94	215.00	201.69	217.10	222.58	260.03	258.65	265.20	248.92	146.60	121.18	119.76	113.00	294.95
18	113.00	80.72	62.58	113.00	113.00	205.07	229.10	273.71	294.40	251.63	182.27	146.62	207.65	206.01	243.02	249.22	260.00	278.00	276.39	255.03	242.90	228.17	146.62	130.89	294.40
19	113.00	113.00	113.00	113.00	121.16	174.15	222.81	275.44	280.83	256.57	221.75	193.62	192.16	180.03	187.84	253.31	285.23	310.87	309.52	300.86	261.64	253.54	238.90	195.08	310.87
20	177.00	160.10	152.51	145.08	154.15	198.38	236.05	262.86	252.82	252.80	193.99	185.00	170.76	165.07	174.02	219.91	231.21	248.51	211.74	205.63	181.52	143.48	154.53	143.49	262.86
21	143.1	145.5	135.9	143.6	160.1	189.5	240.7	260.3	263.8	262.0	242.2	212.7	207.5	193.1	231.1	225.0	251.8	267.6	266.0	260.3	244.5	232.8	220.4	195.0	267.59
22	188.5	165.9	164.1	164.9	162.0	176.4	174.0	163.9	193.3	209.5	212.8	209.7	201.0	189.1	190.0	196.5	211.2	235.9	232.9	221.1	227.8	204.5	195.2	179.6	235.86
23	150.0	134.1	113.0	113.0	134.1	176.9	171.1	176.3	186.3	195.3	195.3	195.9	195.4	186.3	184.5	197.6	219.3	283.1	295.1	260.4	241.5	211.1	201.0	181.6	295.05
24	185.1	150.0	134.1	134.1	150.0	188.1	225.2	265.0	300.0	297.8	269.9	264.6	245.8	240.1	244.0	256.5	273.6	304.0	304.0	300.0	269.9	240.3	228.8	208.9	304.04
25	146.3	146.2	146.2	146.3	198.9	217.7	280.0	356.2	399.5	393.5	360.0	347.4	328.4	305.0	310.0	313.0	318.7	366.4	399.1	373.8	308.5	278.9	252.7	237.0	399.46
26	244.9	230.5	219.5	214.2	212.9	233.2	295.1	364.0	379.8	344.3	301.5	286.5	290.0	282.6	297.1	304.6	314.9	369.5	377.4	362.2	316.7	300.0	283.1	258.7	379.79
27	203.0	156.8	156.8	152.8	185.5	259.4	301.6	344.1	365.0	345.5	294.9	265.1	257.6	245.0	253.2	284.2	295.3	355.0	359.0	313.6	248.7	235.9	211.7	143.2	364.98
28	163.09	147.24	147.22	138.05	147.24	254.33	290.07	317.25	341.59	310.00	265.25	261.24	256.79	246.02	251.78	272.64	290.00	316.50	289.93	269.48	252.00	226.64	229.45	156.75	341.59
29	147.76	140.69	132.00	147.72	163.08	214.86	227.82	249.91	267.88	256.22	235.99	246.40	232.45	225.31	246.40	280.98	298.67	302.71	300.09	297.53	280.00	249.10	233.66	220.01	302.71
30	202.19	154.93	149.53	133.65	119.82	114.39	109.29	92.68	125.20	138.05	94.01	121.11	80.47	80.67	90.06	140.93	224.77	297.62	275.02	239.32	215.56	177.63	138.05	138.05	297.62
31	122.32	78.00	79.64	105.56	100.13	150.71	186.83	269.97	269.98	259.91	248.08	243.42	238.11	237.80	257.92	282.93	287.01	294.56	269.97	252.74	236.03	251.09	244.23	176.46	294.56

Average 192.00 EUR/MWh

RO-HU January 2022





**Transelectrica®**  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian border

### 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	-	-	0.13	-	-	-	-	0.20	9.04	26.54	30.83	21.66	30.30	32.84	17.23	-	4.74	28.10	24.45	3.34	-	-	-	-	42.08	42.08	
2	-	-	5.88	14.73	19.86	24.27	24.82	17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.82	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
4	54.23	57.17	54.07	50.69	16.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.97	24.92	12.57	57.17	
5	4.25	39.38	31.03	16.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.99	39.38
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
8	29.59	38.76	48.66	43.74	34.77	13.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.56	14.39	48.66	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.56	5.56
10	55.71	66.62	78.59	69.34	60.72	-	-	-	-	-	-	-	-	-	27.69	57.95	67.53	92.76	170.31	177.66	154.45	179.72	167.03	186.12	186.12	186.12	
11	159.35	168.86	172.03	160.98	142.09	87.13	119.81	53.64	26.52	40.28	-	4.43	-	-	-	29.25	6.67	47.65	59.02	168.68	139.77	127.98	123.61	91.57	172.03		
12	143.06	141.09	146.82	140.31	105.72	45.32	4.64	24.44	-	12.83	32.97	24.14	14.89	22.08	-	-	-	-	-	-	-	-	51.86	50.27	47.67	146.82	
13	45.98	37.74	31.73	19.36	5.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.95	33.73	29.08	68.95	
14	18.70	33.64	28.74	28.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.08	33.64	
15	78.48	50.14	73.01	69.64	74.83	47.30	-	-	-	11.61	24.39	95.17	88.68	80.25	13.99	-	-	-	-	-	-	-	-	-	-	89.66	95.17
16	95.03	96.24	72.92	55.71	30.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.24	
17	-	-	-	1.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.09	103.77	97.71	80.46	103.77	
18	81.39	114.34	122.16	75.09	80.99	-	-	-	-	39.01	93.13	118.48	42.35	38.26	-	-	-	-	-	-	-	-	-	52.56	53.21	122.16	
19	67.44	60.31	61.03	56.23	48.94	-	-	-	-	-	-	-	-	-	6.46	2.67	-	-	-	-	-	-	-	-	-	67.44	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.13	-	1.59	20.13
21	-	-	-	-	-	-	-	-	-	-	35.04	27.18	2.29	11.48	16.52	54.72	22.52	-	-	-	-	-	-	-	-	54.72	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.13	-	-	-	-	-	-	-	-	-	-	3.13	
23	27.06	50.14	72.78	66.73	44.94	2.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.78	
24	-	29.64	44.23	43.39	27.61	-	-	-	-	1.55	5.94	5.40	-	-	-	-	-	-	3.34	37.81	15.29	5.05	9.67	-	-	44.23	
25	69.73	66.67	57.52	49.97	-	-	-	-	-	5.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.73	
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
27	-	-	-	-	-	9.27	-	-	-	-	-	24.97	-	-	-	-	-	-	-	-	-	-	-	-	-	24.97	
28	-	11.14	16.91	-	-	-	-	-	-	-	-	-	-	-	24.70	-	-	-	-	-	-	-	-	-	-	16.91	
29	4.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.47	
30	-	-	0.13	-	-	-	-	-	-	31.96	-	-	8.97	7.78	-	-	-	-	-	-	-	-	-	39.06	22.73	39.06	
31	25.69	60.04	51.99	10.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.04	

Average 50.68 EUR/MWh

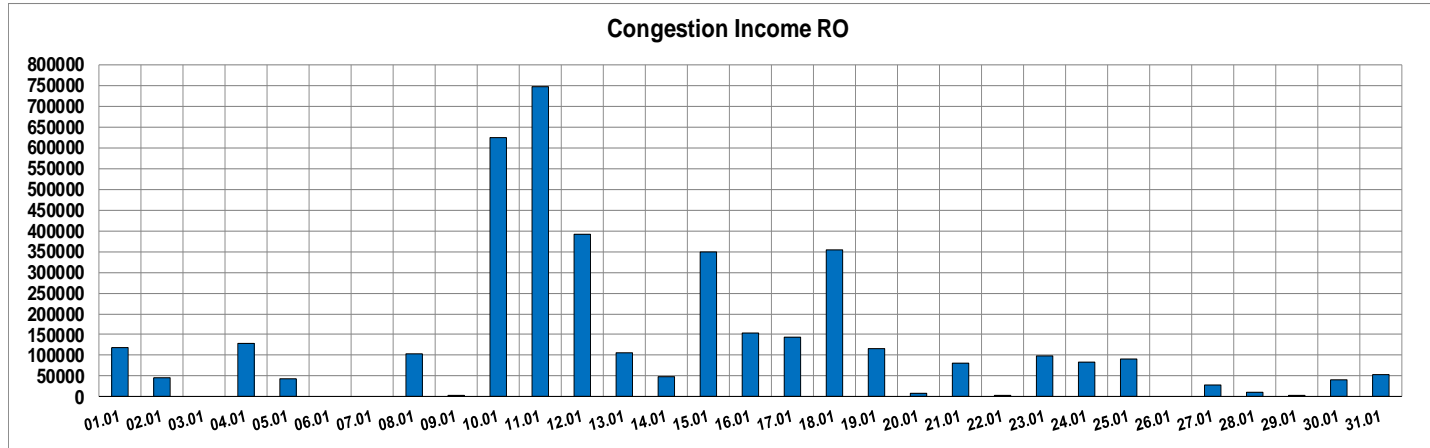
RO-HU January 2022



**Transelectrica®**  
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# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian border



Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.01	237816	118908
02.01	93758	46879
03.01	0	0
04.01	256782	128391
05.01	88791	44396
06.01	0	0
07.01	0	0
08.01	209557	104778
09.01	4871	2435
10.01	1251067	625534
11.01	1497152	748576
12.01	782293	391147
13.01	211049	105524
14.01	96849	48425
15.01	698303	349152
16.01	306907	153453
17.01	287345	143673
18.01	706913	353456
19.01	233693	116847
20.01	16312	8156
21.01	161942	80971
22.01	2939	1470
23.01	195802	97901
24.01	166196	83098
25.01	181035	90518
26.01	0	0
27.01	55639	27820
28.01	21206	10603
29.01	3402	1701
30.01	80317	40159
31.01	107325	53662
<b>Total</b>	<b>7955261</b>	<b>3977631</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
7726214	229047	6087334	133486
<b>7955261</b>		<b>6220820</b>	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
1734441	867221



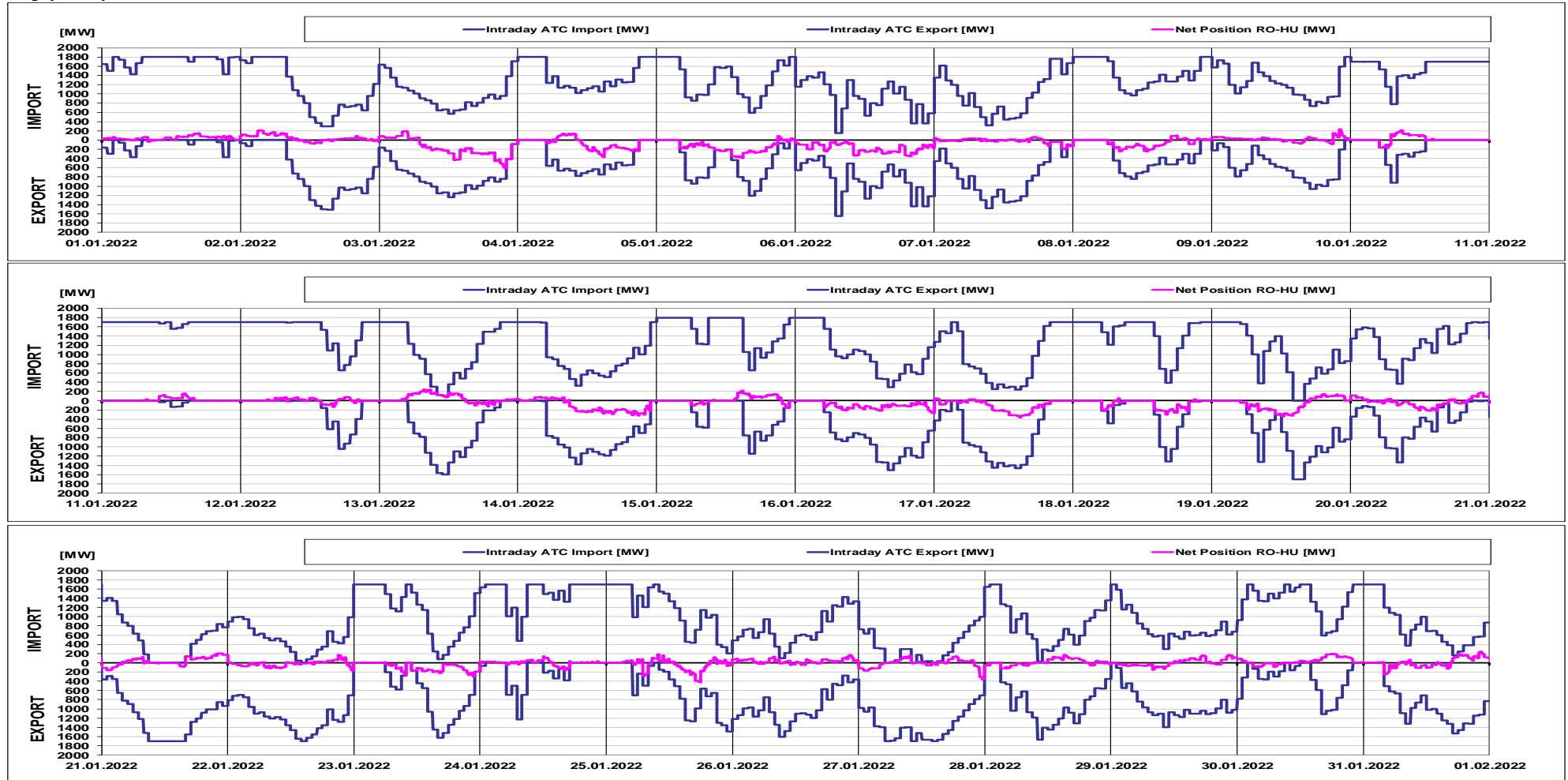
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# Market for Allocation of Cross-Border Capacities

## Intraday Implicit Auctions on Romanian – Hungarian border

Hungary January 2022



Offered Capacity on Intraday Auction [MW]  
Net Position border RO - HU [MW]

Public

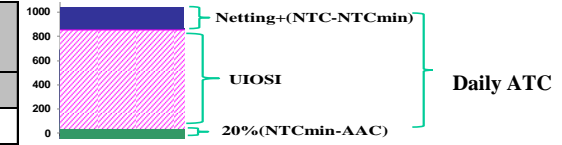


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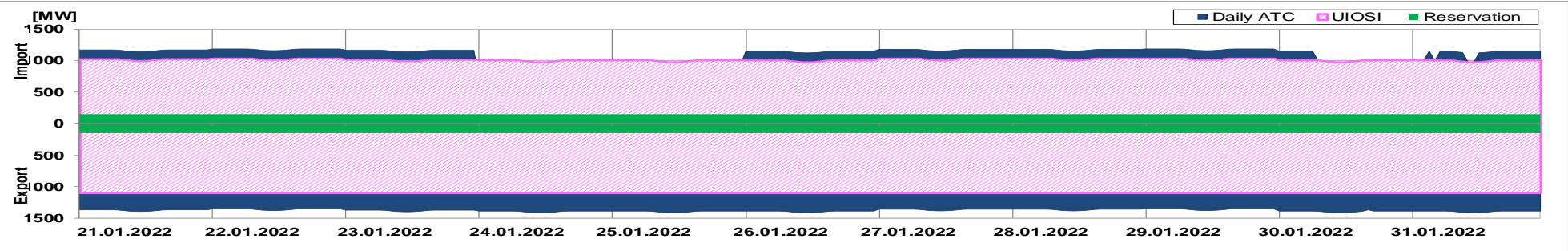
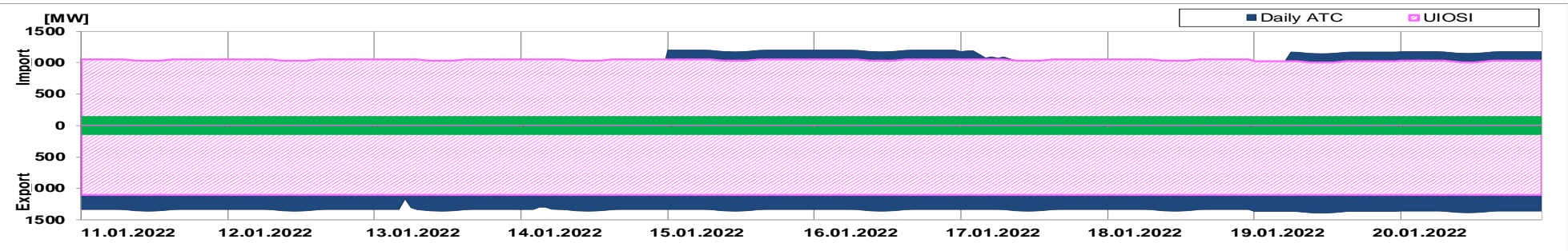
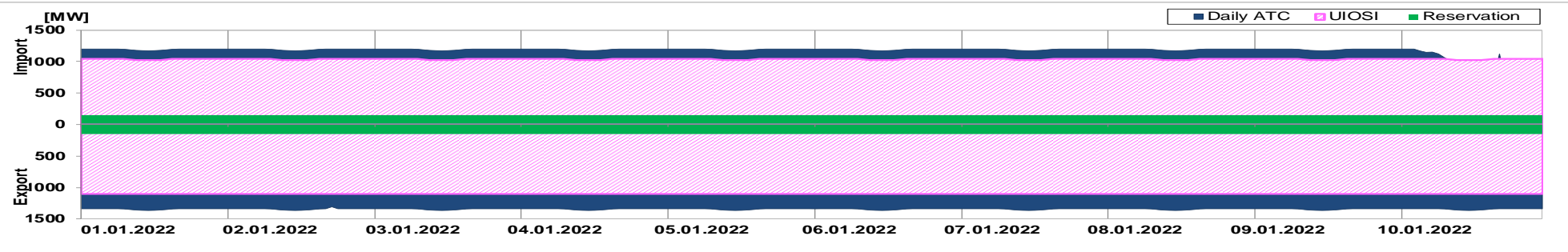
# Market for Allocation of Cross-Border Capacities

## Daily Implicit Auctions on Romanian – Bulgarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
150	150	1100	1030



Bulgaria January 2022

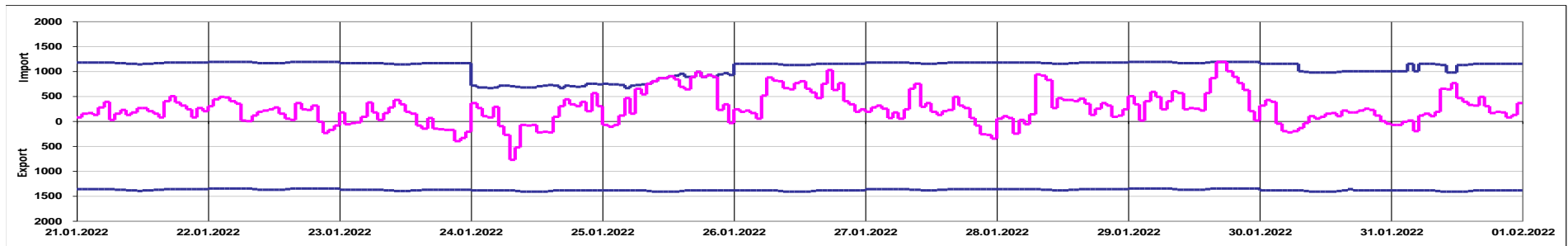
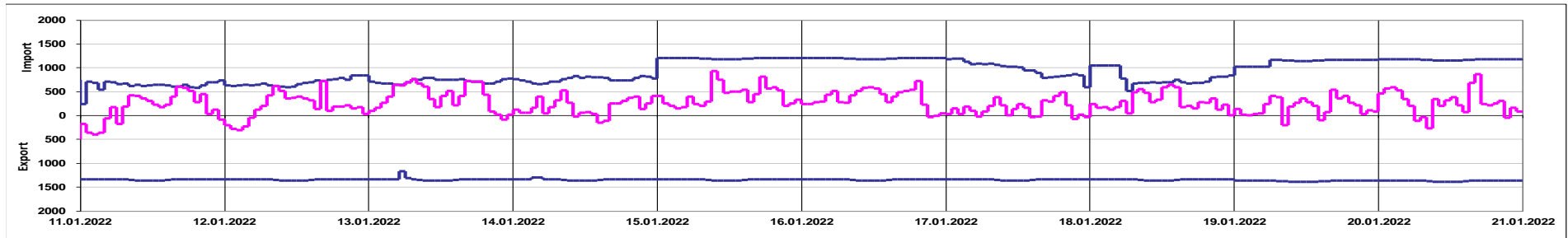
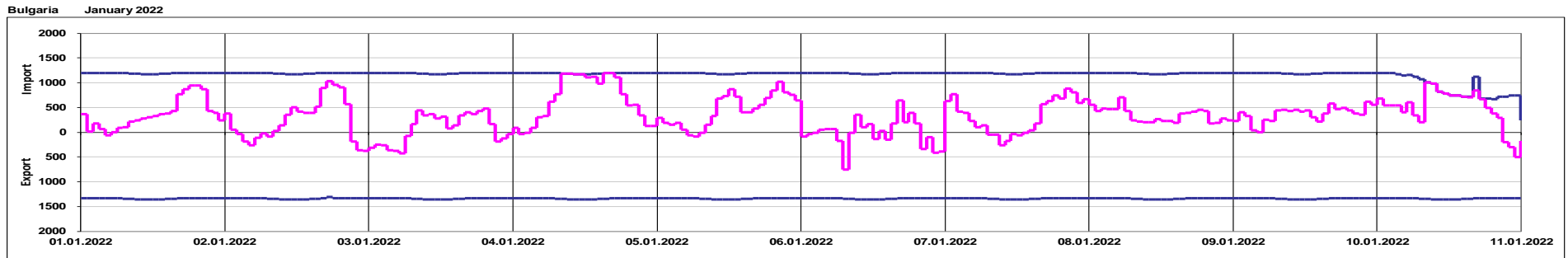




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# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Bulgarian border



Offered Capacity on Daily Auction [MW]

Net Position Border RO – BG [MW]

Public

# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Bulgarian 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	61.84	41.33	43.09	45.46	37.67	39.70	40.59	43.06	40.62	43.51	45.96	62.44	64.44	63.96	79.94	101.00	121.86	121.87	121.88	136.94	121.88	102.61	97.46	43.08	136.94	
2	57.08	52.59	43.09	20.21	9.70	9.70	9.70	24.33	48.95	60.01	70.09	66.26	64.54	73.77	133.97	157.92	194.21	245.00	225.19	179.59	163.74	113.00	46.29	32.93	245.00	
3	20.89	9.70	9.70	7.07	8.99	15.34	80.00	113.00	141.08	135.53	135.53	120.54	135.50	117.00	130.00	180.02	180.07	153.44	148.10	135.54	125.00	98.90	108.44	96.93	180.07	
4	55.91	53.04	52.79	53.45	86.90	114.50	156.91	226.64	227.96	232.70	190.16	182.52	182.46	179.59	192.00	201.90	243.11	210.26	197.19	180.05	156.12	120.17	113.00	86.90	243.11	
5	101.06	57.91	53.47	58.67	79.11	94.79	118.04	134.45	154.60	147.18	138.56	129.99	131.97	130.67	134.60	146.61	161.18	178.76	179.56	175.72	158.60	137.15	144.44	119.64	179.56	
6	131.92	128.47	113.21	111.55	130.84	158.39	189.10	228.25	230.82	212.90	215.50	231.90	226.00	209.20	216.06	230.77	245.95	274.11	273.44	252.54	231.96	213.07	198.05	143.48	274.11	
7	148.04	134.78	115.24	115.24	116.27	131.03	147.00	215.60	248.58	192.23	188.88	189.18	187.39	181.69	182.27	199.58	239.00	266.86	254.99	240.97	227.91	213.81	194.95	165.09	266.86	
8	140.51	117.34	117.34	117.34	125.23	140.55	166.00	182.91	215.89	231.00	228.95	215.39	206.68	185.00	169.52	173.88	200.89	210.24	188.85	179.31	162.02	156.04	140.54	140.53	231.00	
9	117.32	125.25	120.02	72.62	62.51	117.32	125.24	140.54	175.57	183.09	189.09	218.90	208.96	165.06	170.09	189.04	225.55	257.35	253.65	242.94	238.42	214.02	215.88	198.24	257.35	
10	140.52	125.23	117.32	117.32	117.32	191.65	237.44	299.95	313.92	315.00	310.41	310.08	300.00	297.01	272.27	248.50	235.20	222.71	140.51	117.32	113.00	62.51	50.00	9.71	315.00	
11	50.99	33.56	25.57	32.02	52.81	117.32	117.32	239.88	273.50	256.88	275.67	259.97	252.59	248.38	255.01	248.65	283.27	268.75	256.88	140.52	145.56	117.32	113.00	113.00	283.27	
12	51.73	42.89	36.24	37.04	72.61	148.18	235.92	248.74	300.10	279.91	242.53	234.51	230.22	210.00	234.77	240.01	255.00	284.82	285.97	269.03	239.93	148.22	148.20	132.39	300.10	
13	131.36	131.36	131.39	140.74	157.12	198.24	232.79	285.93	289.37	262.26	237.09	228.01	200.19	207.41	226.96	247.71	266.88	288.42	278.90	262.95	212.15	117.29	145.04	117.29	289.37	
14	131.39	131.36	131.35	131.38	164.67	156.67	219.58	261.78	269.67	230.00	196.32	188.71	181.14	172.04	194.01	241.56	257.09	267.59	265.47	243.35	221.76	209.96	199.76	174.97	269.67	
15	143.27	127.77	113.00	113.00	113.00	143.28	190.27	207.11	215.34	218.39	198.00	119.75	119.75	119.75	189.10	213.98	226.32	260.00	267.03	261.41	243.62	221.96	214.99	119.75	267.03	
16	130.89	119.76	119.76	130.90	146.59	172.26	175.01	191.90	200.00	204.86	204.50	204.43	198.10	188.61	191.90	230.19	249.26	269.64	269.98	267.55	254.90	209.49	178.59	162.52	269.98	
17	128.58	123.83	113.00	119.76	130.91	141.19	251.59	291.18	294.95	274.51	224.47	216.94	215.00	201.69	217.10	222.58	260.03	258.65	265.20	248.92	146.60	121.18	119.76	113.00	294.95	
18	113.00	80.72	62.58	113.00	113.00	205.07	229.10	273.71	294.40	251.63	182.27	146.62	207.65	206.01	243.02	249.22	260.00	278.00	276.39	255.03	242.90	228.17	146.62	130.89	294.40	
19	113.00	113.00	113.00	113.00	121.16	174.15	222.81	275.44	280.83	256.57	221.75	193.62	192.16	180.03	187.84	253.31	285.23	310.87	309.52	300.86	261.64	253.54	238.90	195.08	310.87	
20	177.00	160.10	152.51	145.08	154.15	198.38	236.05	262.86	252.82	252.80	193.99	185.00	170.76	165.07	174.02	219.91	231.21	248.51	211.74	205.63	181.52	143.48	154.53	143.49	262.86	
21	143.11	145.46	135.89	143.61	160.08	189.52	240.71	260.29	263.75	261.98	242.24	212.69	207.47	193.08	231.14	224.96	251.78	267.59	266.00	260.29	244.47	232.75	220.43	195.02	267.59	
22	188.45	165.88	164.08	164.91	162.00	176.35	173.95	163.86	193.30	209.49	212.75	209.66	201.00	189.13	189.99	196.50	211.18	235.86	232.88	221.10	227.75	204.52	195.19	179.58	235.86	
23	150.00	134.06	113.00	113.00	134.10	176.90	171.05	176.33	186.34	195.31	195.34	195.87	195.41	186.29	184.49	197.63	219.33	283.06	295.05	260.44	241.50	211.14	201.00	181.62	295.05	
24	185.05	149.97	134.07	134.07	150.00	188.10	225.19	265.00	300.02	297.84	269.94	264.60	245.84	240.08	244.00	256.49	273.57	304.04	304.04	300.02	269.93	240.33	228.80	208.93	304.04	
25	146.25	146.23	146.23	146.27	198.89	217.71	279.96	356.24	399.46	393.54	360.00	347.40	328.42	305.00	310.00	313.00	318.67	366.43	399.06	373.75	308.53	278.90	252.72	237.04	399.46	
26	244.86	230.52	219.47	214.20	212.92	233.16	295.07	364.01	379.79	344.28	301.46	286.52	289.95	282.64	297.10	304.55	314.85	369.45	377.40	362.17	316.67	300.00	283.08	258.71	379.79	
27	203.03	156.76	156.76	152.80	185.54	259.35	301.55	344.06	364.98	345.51	294.94	265.11	257.57	245.00	253.21	284.19	295.27	354.99	359.03	313.59	248.71	235.92	211.69	143.16	364.98	
28	163.09	147.24	147.22	138.05	147.24	254.33	290.07	317.25	341.59	310.00	265.25	261.24	256.79	246.02	251.78	272.64	290.00	316.50	289.93	269.48	252.00	226.64	229.45	156.75	341.59	
29	147.76	140.69	132.00	147.72	163.08	214.86	227.82	249.91	267.88	256.22	235.99	246.40	232.45	225.31	246.40	280.98	298.67	302.71	300.09	297.53	280.00	249.10	233.66	220.01	302.71	
30	202.19	154.93	149.53	133.65	119.82	114.39	109.29	92.68	125.20	138.05	94.01	121.11	80.47	80.67	90.06	140.93	224.77	297.62	275.02	239.32	215.56	177.63	138.05	138.05	297.62	
31	122.32	78.00	79.64	105.56	100.13	150.71	186.83	269.97	269.98	259.91	248.08	243.42	238.11	237.80	257.92	282.93	287.01	294.56	269.97	252.74	236.03	251.09	244.23	176.46	294.56	
Average																										192.00 EUR/MWh



Transelectrica®  
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# Market for Allocation of Cross-Border Capacities

## Daily Implicit Auctions on Romanian – Bulgarian border

### 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
4	-	-	-	-	-	-	-	-	27.28	39.90	0.28	0.10	-	-	-	9.90	41.59	-	-	-	-	-	-	-	41.59
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	9.57	17.26	40.46	40.13	16.78	40.44	15.70	-	-	-	-	-	-	-	-	-	40.46
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.62	-	-	-	-	-	-	-	34.62
12	-	-	-	-	-	-	-	-	0.10	-	-	-	-	-	-	-	6.26	-	-	-	-	-	-	-	6.26
13	-	-	-	-	9.98	-	-	8.42	-	-	-	-	-	-	-	-	18.31	4.27	4.90	-	-	-	-	-	18.31
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	-	-	-	-	-	-	-	14.18	35.63	15.94	40.62	13.37	-	-	-	7.34	10.38	41.15	26.48	1.74	-	-	-	41.15
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	17.71	-	-	-	-	-	-	17.71
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average 18.97 EUR/MWh

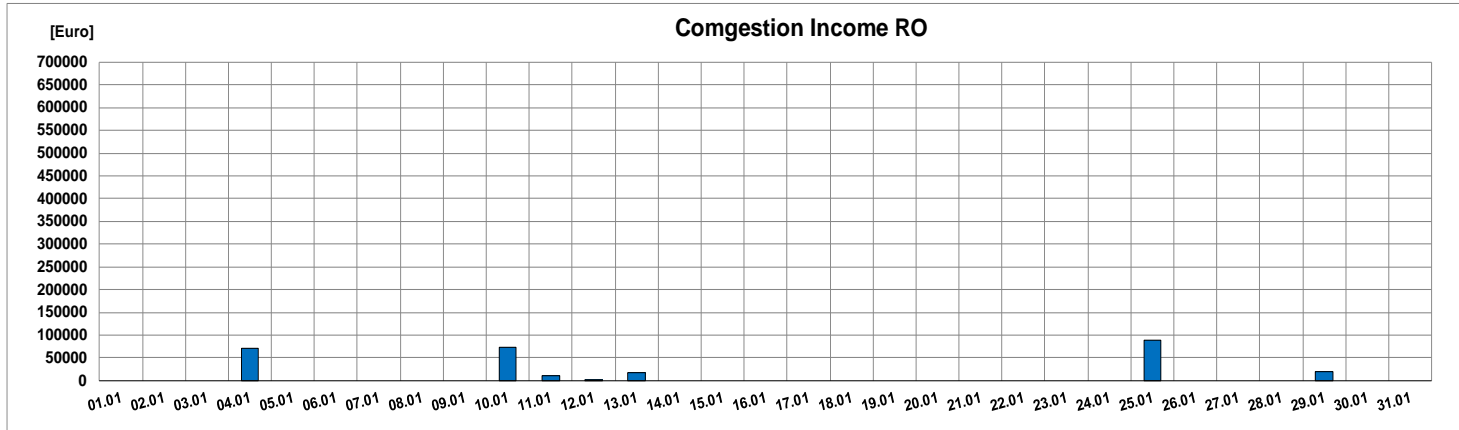
RO-BG January 2022



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# Market for Allocation of Cross-Border Capacities

## Daily Implicit Auctions on Romanian – Bulgarian border



Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.01	0	0
02.01	0	0
03.01	0	0
04.01	141655	70828
05.01	0	0
06.01	0	0
07.01	0	0
08.01	0	0
09.01	0	0
10.01	144407	72203
11.01	21187	10594
12.01	4613	2306
13.01	32625	16313
14.01	0	0
15.01	0	0
16.01	0	0
17.01	0	0
18.01	0	0
19.01	0	0
20.01	0	0
21.01	0	0
22.01	0	0
23.01	0	0
24.01	0	0
25.01	179361	89680
26.01	0	0
27.01	0	0
28.01	0	0
29.01	38927	19464
30.01	0	0
31.01	0	0
<b>Total</b>	<b>562775</b>	<b>281388</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
0	562775	0	638424
<b>562775</b>		<b>638424</b>	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
-75649	-37824

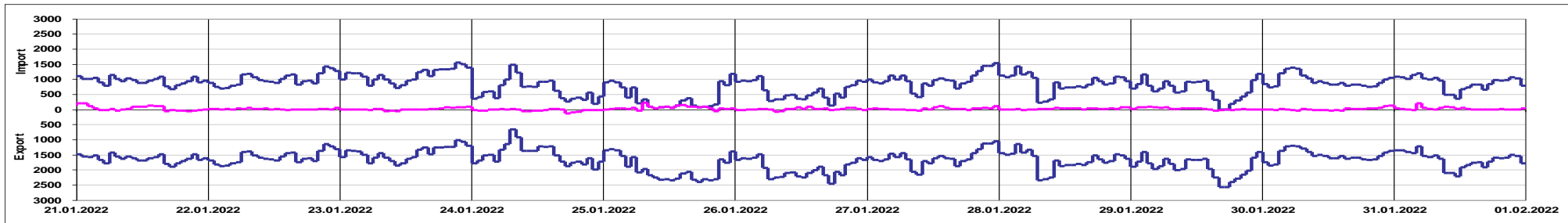
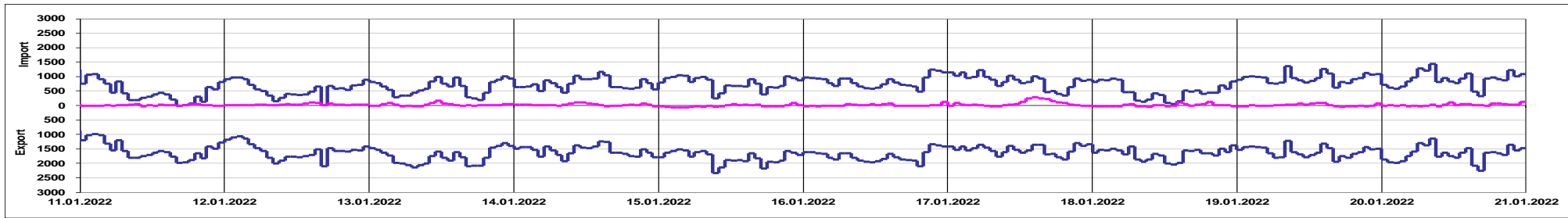
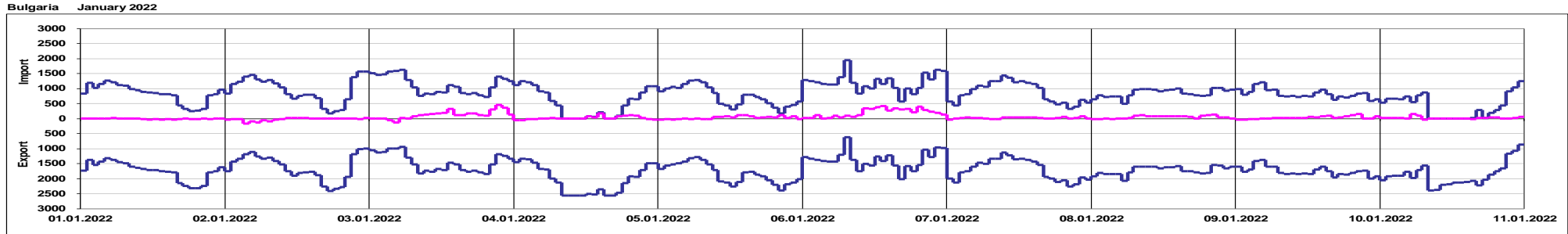


# Market for Allocation of Cross-Border Capacities

## Intraday Implicit Auctions on Romanian – Bulgarian border



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Offered Capacity on Intraday Auction [MW]  
Net Position border RO - BG [MW]

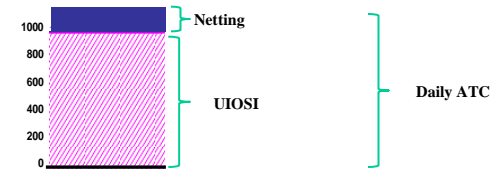


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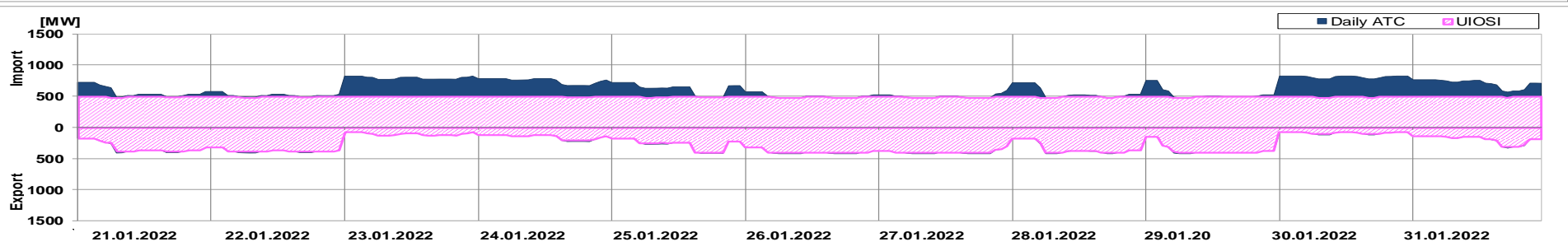
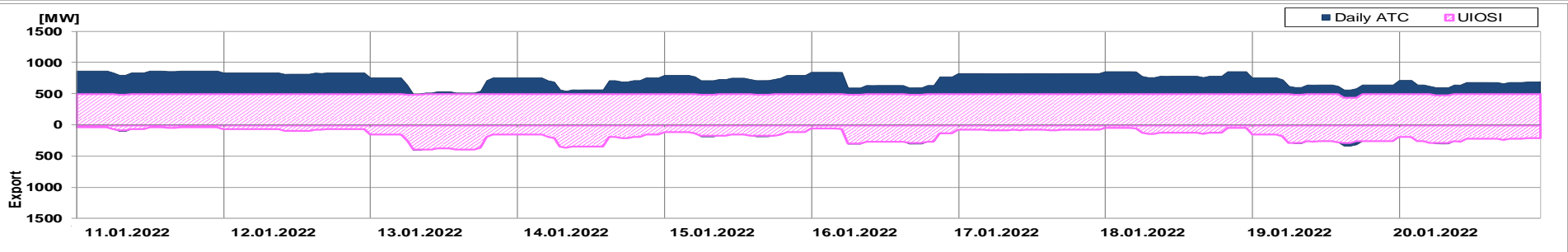
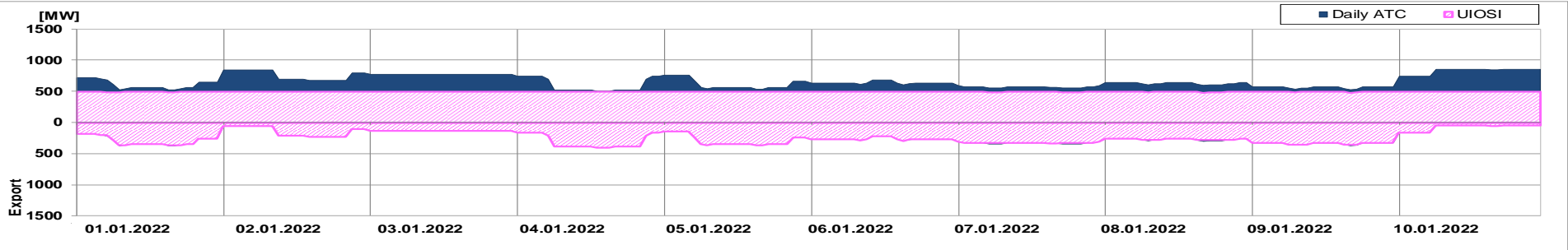
# Market for Allocation of Cross-Border Capacities

## Daily Explicit Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
225	496



Serbia January 2022

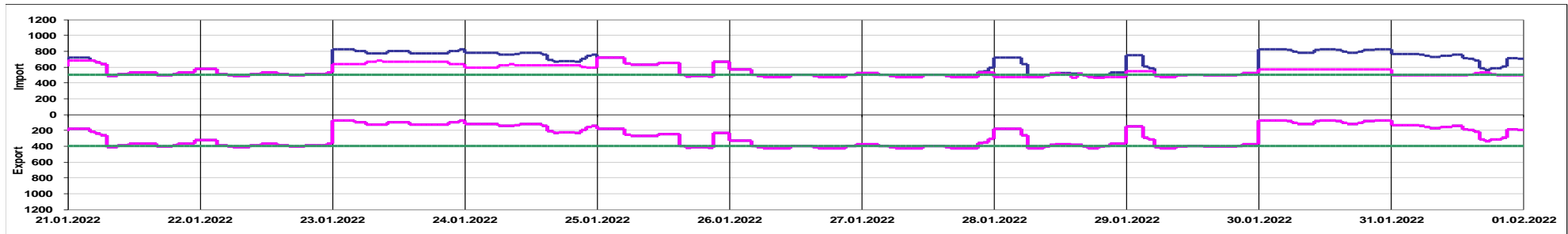
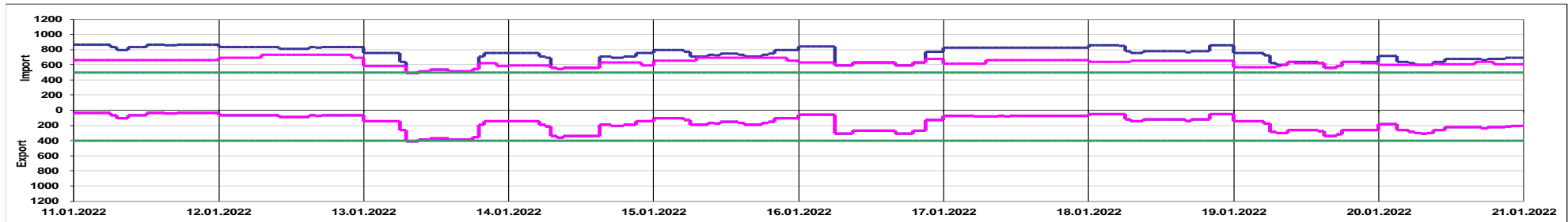
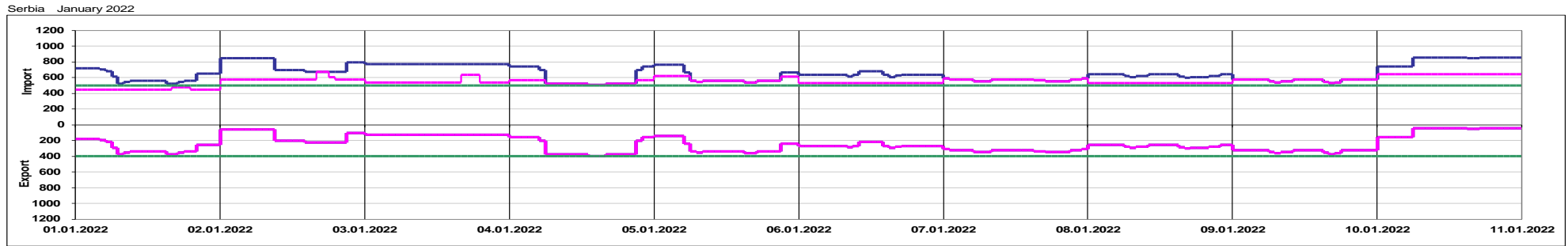




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# Market for Allocation of Cross-Border Capacities

## Daily Explicit Auctions on Romanian – Serbian border



Offered Capacity on Daily Auction [MW]

Allocated Capacity on Daily Auction [MW]

Net Transfer Capacity (NTC) [MW]

# Market for Allocation of Cross-Border Capacities

## Daily Explicit Auctions on Romanian – Serbian border



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### 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	8.66	8.66	8.66	8.66	6.58	6.06	2.20	1.10	1.11	1.74	1.16	1.16	1.16	1.16	0.89	0.69	0.69	0.71	0.89	0.89	2.20	2.37	3.15	7.28	8.66
2	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	1.43	1.43	1.15	1.00	1.00	0.75	0.75	0.75	0.75	0.75	0.75	1.00	3.88	4.82	8.00	8.00
3	6.50	6.50	4.63	4.63	6.50	6.50	4.63	3.66	2.36	1.35	1.35	1.35	1.08	1.08	0.75	0.55	0.55	0.55	0.55	0.55	0.85	1.65	1.74	2.16	6.50
4	9.79	9.20	10.70	10.00	11.00	4.90	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.33	0.33	0.33	0.41	0.41	0.41	0.51	2.20	4.90	10.00	10.00	11.00
5	27.80	35.00	34.65	34.65	27.80	3.63	3.98	3.98	6.00	6.15	1.64	1.64	0.99	0.99	0.99	0.75	0.54	0.69	0.69	0.69	1.96	2.69	2.69	2.88	35.00
6	4.24	4.24	4.25	4.25	3.91	2.08	0.61	0.50	0.48	0.50	0.88	1.04	1.04	1.04	0.64	0.54	0.55	0.54	0.54	0.88	1.20	2.45	2.97	2.97	4.25
7	0.55	0.39	0.44	0.37	0.37	0.35	0.23	0.23	0.26	0.26	0.23	0.23	0.26	0.26	0.26	0.19	0.19	0.18	0.33	0.33	0.50	0.76	0.76	1.18	1.18
8	3.84	3.84	3.84	3.34	2.34	2.34	0.89	0.70	0.85	1.03	1.56	1.56	1.55	1.55	1.55	1.00	0.79	0.79	0.87	0.97	1.39	2.49	3.21	3.70	3.84
9	1.68	1.68	1.68	1.68	1.68	1.68	1.18	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.52	0.50	0.52	0.56	0.70	0.84	1.20	1.55	1.55	1.68
10	15.50	21.30	21.30	21.30	21.30	15.50	24.98	17.15	15.98	16.26	21.90	25.00	25.00	25.00	25.00	25.00	25.00	25.57	29.35	35.00	50.00	63.70	63.70	63.70	63.70
11	119.78	123.00	123.00	119.65	108.59	90.14	45.00	20.00	36.00	45.00	45.00	45.00	75.00	75.00	75.00	69.00	69.00	75.00	95.00	105.00	100.05	111.72	107.71	113.36	123.00
12	93.00	90.00	85.00	85.00	85.00	73.52	76.50	34.60	27.68	27.68	34.60	22.50	22.05	18.60	18.60	17.72	5.12	6.12	6.12	21.00	21.89	21.00	23.00	23.73	93.00
13	15.00	15.00	15.00	13.88	9.60	7.68	1.29	0.55	0.38	0.50	0.53	0.53	0.53	0.69	0.55	0.55	0.53	0.53	0.55	0.77	13.20	30.50	30.50	26.97	30.50
14	32.89	42.28	32.89	32.89	32.89	11.11	17.37	2.23	1.93	1.50	1.50	1.50	1.69	1.69	1.20	1.11	1.11	1.69	1.69	2.84	11.11	43.88	33.15	33.15	43.88
15	44.80	50.00	50.00	46.00	44.80	31.00	6.32	5.50	4.83	6.00	10.66	20.50	20.50	20.50	14.56	3.66	2.23	2.23	2.69	8.19	15.50	24.89	32.77	37.11	50.00
16	53.15	57.15	58.66	36.00	36.00	31.00	1.17	0.72	0.72	0.89	0.89	1.11	1.11	1.11	1.11	0.86	0.71	0.71	0.71	0.86	0.67	3.12	6.00	8.88	58.66
17	50.00	50.00	50.00	50.00	50.00	50.00	33.33	11.11	11.11	16.69	23.23	23.23	23.23	23.23	23.23	22.22	22.91	27.75	33.29	33.33	46.89	64.67	61.52	57.47	64.67
18	66.66	66.66	66.66	66.66	43.51	50.51	3.95	4.66	4.66	13.78	33.33	35.29	32.09	33.33	16.69	16.09	3.22	4.03	4.03	4.03	46.00	50.00	56.69	56.69	66.66
19	44.64	43.00	39.03	35.94	28.28	8.00	0.26	0.25	0.25	0.43	0.69	0.69	0.69	0.46	0.27	0.13	0.10	0.13	0.23	0.43	0.33	0.43	0.68	0.90	44.64
20	16.00	16.00	13.49	9.16	8.88	2.41	0.66	0.63	0.63	0.88	2.66	3.33	3.33	3.33	2.66	1.55	0.89	0.95	2.00	4.00	11.11	22.22	21.25	26.73	26.73
21	15.22	15.22	15.00	12.00	6.96	1.30	0.71	0.50	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.56	0.71	2.40	2.40	3.33	15.22
22	3.93	3.93	3.93	2.00	1.11	0.75	0.35	0.32	0.32	0.32	0.32	0.39	0.39	0.39	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.65	0.65	0.72	3.93
23	21.33	25.00	25.00	25.00	20.42	11.66	1.55	1.55	1.55	2.55	5.75	7.93	7.93	6.97	2.61	1.69	1.69	1.69	1.69	1.69	3.30	9.95	22.05	25.00	25.00
24	42.62	43.72	45.32	45.42	38.57	30.07	11.11	13.33	6.54	10.99	16.27	20.69	20.69	15.93	12.56	4.59	2.00	1.92	1.92	2.00	2.00	5.00	8.88	9.03	45.42
25	5.95	13.11	10.26	10.26	10.00	0.53	0.28	0.28	0.28	0.28	0.37	0.25	0.25	0.25	0.22	0.15	0.13	0.13	0.14	0.14	0.18	0.25	0.32	0.32	13.11
26	5.35	5.69	5.85	5.61	0.53	0.40	0.33	0.33	0.33	0.50	0.99	1.00	1.00	1.00	1.00	0.69	0.69	0.69	0.79	0.79	0.79	1.00	1.00	1.08	5.85
27	0.85	0.85	0.85	0.69	0.69	0.53	0.15	0.15	0.15	0.15	0.15	0.19	0.19	0.19	0.19	0.15	0.15	0.15	0.15	0.15	0.32	0.79	1.55	4.89	4.89
28	9.29	8.95	8.95	8.95	8.95	0.35	0.15	0.15	0.15	0.17	0.20	0.25	0.25	0.25	0.20	0.25	0.17	0.15	0.15	0.17	0.17	0.35	0.50	0.71	9.29
29	11.25	11.25	11.25	4.65	3.11	0.13	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.18	0.79	1.52	1.52	11.25
30	10.11	15.15	15.15	15.15	15.15	15.15	8.00	9.80	9.60	8.88	12.00	11.74	11.38	10.57	9.81	8.08	2.00	2.00	4.75	8.88	8.88	15.15	15.15	15.15	15.15
31	9.45	14.57	13.25	9.96	6.91	5.10	2.30	0.94	0.94	1.03	1.15	0.94	1.15	0.55	0.51	0.17	0.12	0.13	0.13	0.13	0.25	0.38	0.38	0.38	14.57

Serbia January 2022



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# Market for Allocation of Cross-Border Capacities

## Daily Explicit 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	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	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
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	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.04	0.02	0.00	0.00	0.00	0.08
5	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.05
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	0.01	0.01	0.01	0.01	0.05	0.09	0.09	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.09	0.13	0.13	0.13	0.09	0.05	0.01	0.01	0.00	0.00	0.13
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	0.02	0.02	0.02	0.02	0.02	0.05	0.08	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.09	0.09	0.07	0.07	0.07	0.02	0.02	0.02	0.09
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	0.16	0.16	0.16	0.12	0.12	0.11	0.11	0.12	0.12	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.16
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
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	0.01	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.04	0.04	0.00	0.00	0.00	0.00	0.08
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	0.07	0.00	0.00	0.00	0.00	0.00	0.04	1.24	2.22	2.22	1.60	0.70	0.10	0.00	0.00	0.00	0.00	2.22
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03
21	0.00	0.00	0.00	0.00	0.01	0.01	0.19	0.67	0.88	0.55	0.44	0.37	0.37	0.37	0.51	0.66	1.10	1.10	0.96	0.19	0.10	0.09	0.03	0.02	0.00	1.10
22	0.08	0.08	0.08	0.11	0.11	0.11	0.56	0.56	1.10	0.56	0.56	0.41	0.41	0.41	0.56	1.77	2.11	2.11	2.10	1.40	0.35	0.16	0.16	0.11	0.00	2.11
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	0.01	0.01	0.01	0.01	0.01	0.02	0.09	0.09	0.13	0.13	0.03	0.03	0.03	0.03	0.13	0.55	2.40	1.33	1.33	1.33	0.42	0.09	0.01	0.01	0.00	2.40
26	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.00	0.05
27	0.01	0.01	0.01	0.01	0.01	0.02	0.15	0.42	0.42	0.22	0.22	0.04	0.04	0.04	0.04	0.22	0.22	0.22	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.42
28	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.11	0.09	0.11	0.11	0.00	0.00	0.00	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
29	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.09	0.12	0.11	0.12	0.16	0.16	0.16	0.16	0.20	0.25	0.22	0.17	0.12	0.03	0.01	0.01	0.01	0.00	0.25
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia January 2022

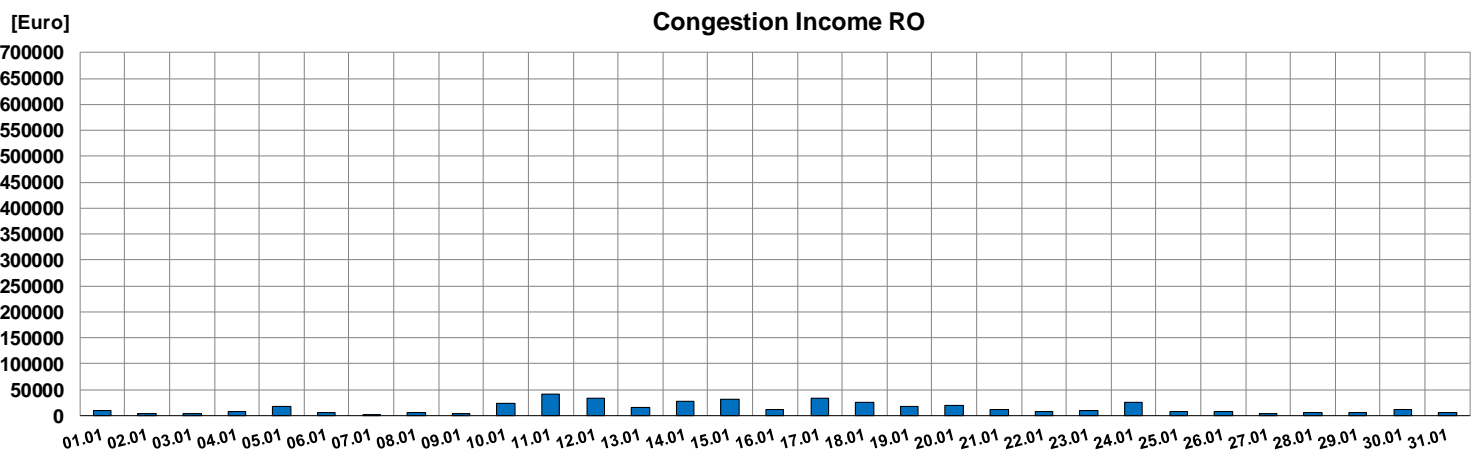
# Market for Allocation of Cross-Border Capacities



Transelectrica®

Societate Administrată în Sistem Dualist

## Daily Explicit Allocation on Romanian – Serbian border



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.01	17950	8975
02.01	8354	4177
03.01	7877	3938
04.01	16525	8262
05.01	36317	18158
06.01	11176	5588
07.01	3640	1820
08.01	12189	6095
09.01	8657	4328
10.01	45892	22946
11.01	83743	41872
12.01	65455	32727
13.01	29784	14892
14.01	56328	28164
15.01	62071	31035
16.01	22105	11053
17.01	66403	33201
18.01	52358	26179
19.01	36293	18146
20.01	37523	18761
21.01	21588	10794
22.01	16123	8061
23.01	20923	10462
24.01	51933	25966
25.01	14398	7199
26.01	13837	6919
27.01	6268	3134
28.01	10392	5196
29.01	10694	5347
30.01	22072	11036
31.01	10117	5058
<b>Total</b>	<b>878983</b>	<b>439492</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
850793	28190	845675	26171
<b>878983</b>		<b>871846</b>	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
7137	3568

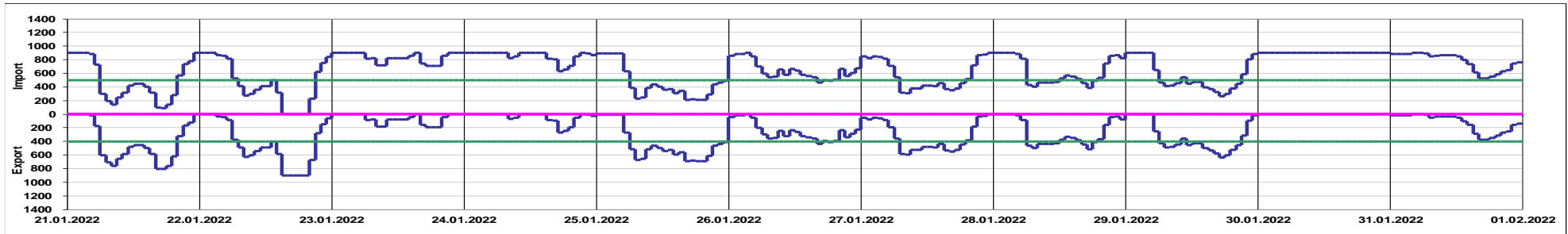
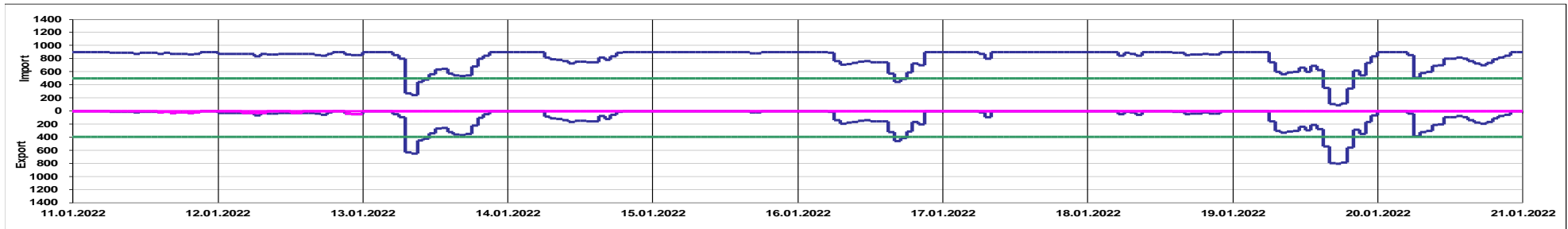
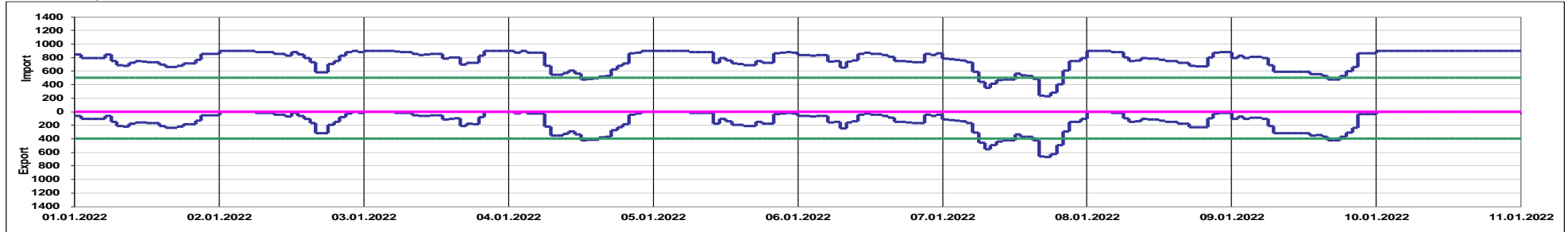


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Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Intraday Explicit Auctions on Romanian – Serbian border

Serbia January 2022



Offered Capacity on Intraday Auction [MW]

Allocated Capacity on Intraday Auction [MW]

Net Transfer Capacity (NTC) [MW]

Public



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# Market for Allocation of Cross-Border Capacities

## Intraday Explicit 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	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
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
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
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
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
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
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
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
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
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
17	-	-	-	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
18	-	-	-	-	-	0.00	0.00	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
19	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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
23	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00
24	-	-	-	-	-	-	-	-	0.00	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00
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
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

Serbia January 2022







Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Yearly Auctions Bids Statistics

2022		
Hungary export	Number of Capacity Traders	38
	Number of Capacity Holders	15
	Number of Bids	300
Hungary import	Number of Capacity Traders	37
	Number of Capacity Holders	14
	Number of Bids	252
Bulgaria export	Number of Capacity Traders	31
	Number of Capacity Holders	20
	Number of Bids	184
Bulgaria import	Number of Capacity Traders	34
	Number of Capacity Holders	14
	Number of Bids	217
Serbia export	Number of Capacity Traders	13
	Number of Capacity Holders	6
	Number of Bids	87
Serbia import	Number of Capacity Traders	14
	Number of Capacity Holders	7
	Number of Bids	88
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	-

2022	Maximum	Minimum
Number of Capacity Traders	38	13
Number of Capacity Holders	20	6
Number of Bids	300	87

# Market for Allocation of Cross-Border Capacities



**Transelectrica®**  
Societate Administrată în Sistem Dualist

## Monthly Auctions Bids Statistics

January 2022		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	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	
	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	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	
Hungary import	Number of Capacity Traders	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
	Number of Capacity Holders	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Bids	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	
Bulgaria export	Number of Capacity Traders	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
	Number of Capacity Holders	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	Number of Bids	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	
Bulgaria import	Number of Capacity Traders	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
	Number of Capacity Holders	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
	Number of Bids	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	
Serbia export	Number of Capacity Traders	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 Capacity Holders	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
Serbia import	Number of Capacity Traders	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	12	
	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	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
Ukraine export	Number of Capacity Traders	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Number of Capacity Holders	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	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	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 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	6	
	Number of Bids	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
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 2022	Maximum	Minimum
Number of Capacity Traders	43	4
Number of Capacity Holders	23	4
Number of Bids	310	11

## Daily Explicit Auctions Bids Statistics

January 2022		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	<b>Maximum Number of Capacity Traders</b>	9	7	7	9	10	9	9	9	10	9	10	10	9	9	9	10	9	10	10	10	10	10	8	9	10	9	9	9	9	8	8
	<b>Maximum Number of Capacity Holders</b>	7	6	6	8	8	8	8	7	8	5	6	6	8	7	7	6	5	6	9	8	8	8	5	6	7	6	6	7	7	6	7
	<b>Maximum Number of Bids</b>	39	32	29	36	43	36	34	37	39	40	37	36	40	39	41	39	39	43	42	42	42	39	40	42	44	45	40	39	39	41	38
Serbia Import	<b>Maximum Number of Capacity Traders</b>	6	7	6	7	8	7	9	7	8	7	7	7	7	7	7	7	7	8	8	8	9	9	7	7	8	8	7	7	9	6	7
	<b>Maximum Number of Capacity Holders</b>	6	7	6	7	8	7	9	7	8	7	7	7	7	7	7	7	7	8	8	8	8	8	7	7	8	8	6	7	9	6	7
	<b>Maximum Number of Bids</b>	31	33	33	36	37	35	40	35	35	34	35	35	35	34	36	35	35	37	40	37	40	41	34	33	45	40	36	35	38	33	33

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



## Intraday Explicit Auctions Bids Statistics

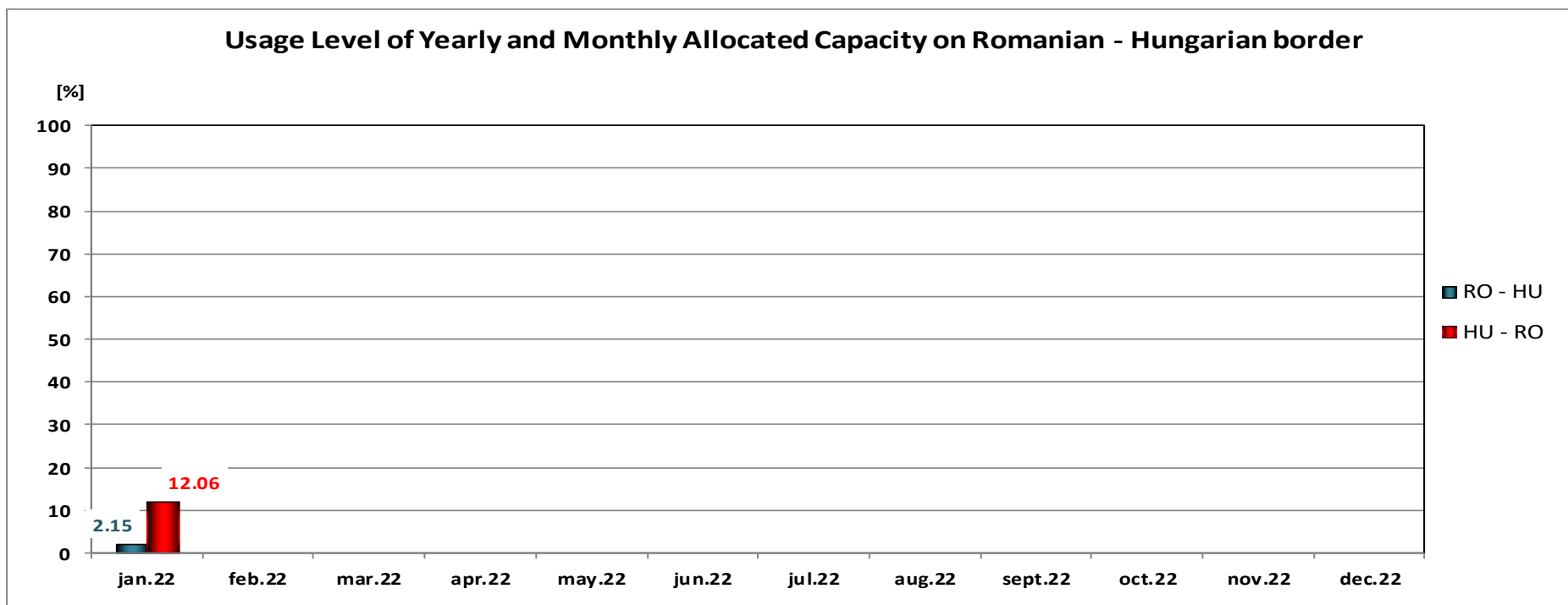
January 2022	Intraday Auctions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Serbia Export	<b>Maximum Number of Capacity Traders</b>	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Maximum Number of Capacity Holders</b>	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Serbia Import	<b>Maximum Number of Capacity Traders</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>Maximum Number of Capacity Holders</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity

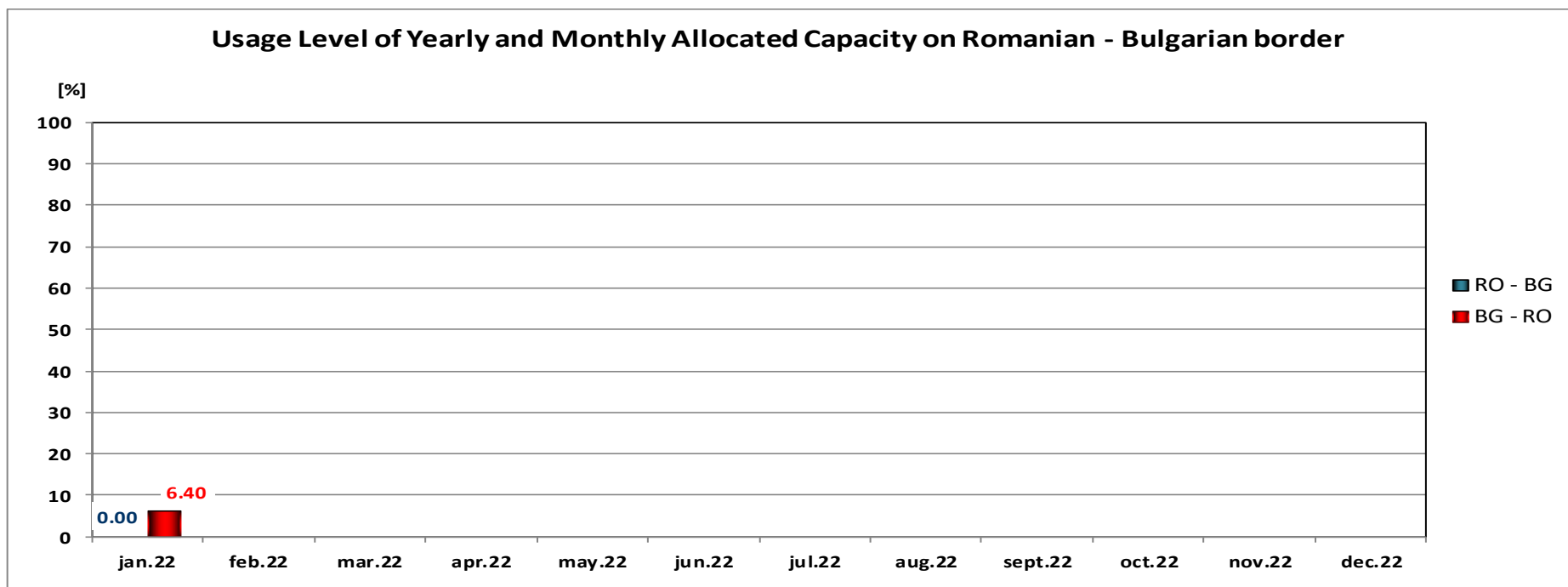
CET



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

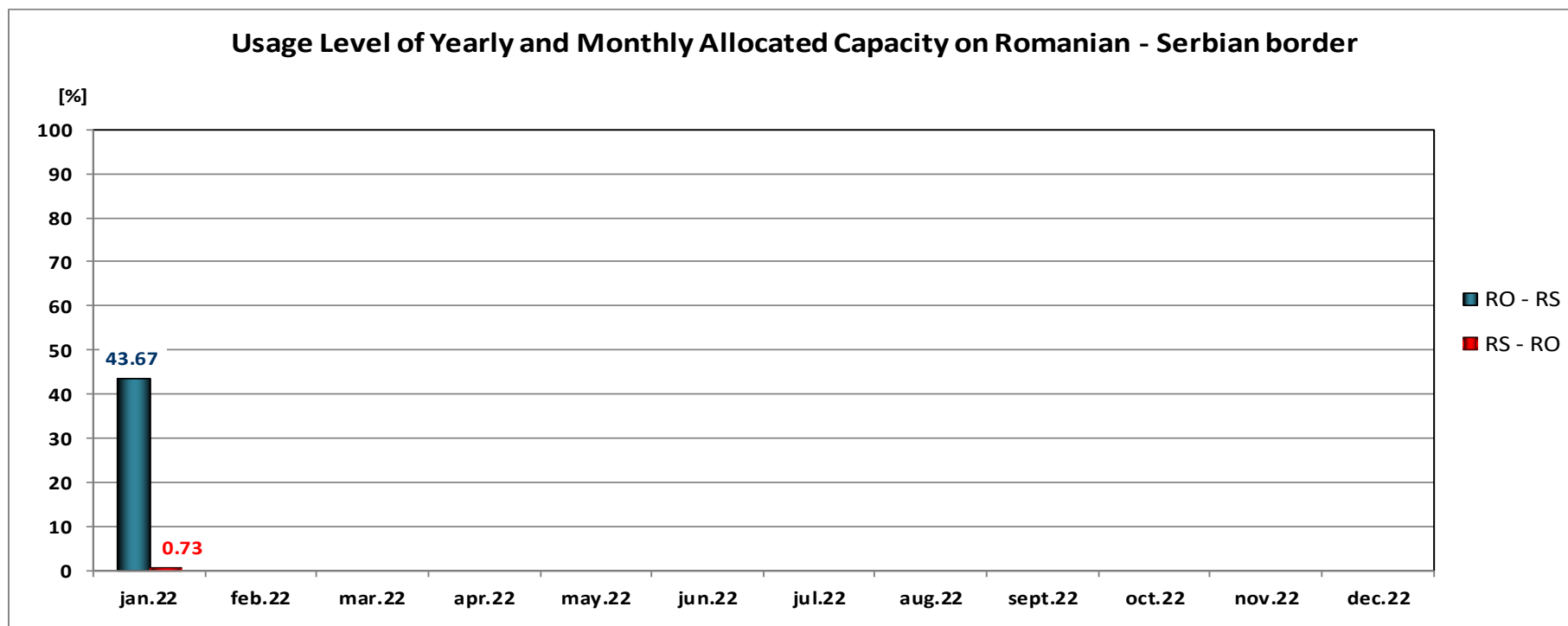
In January 2022, the average values (arithmetic) of usage level are: 2.15% on export direction and 12.06% on import direction.

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.

In January 2022, the average values (arithmetic) of usage level are: 0% on export direction and 6.4% on import direction.



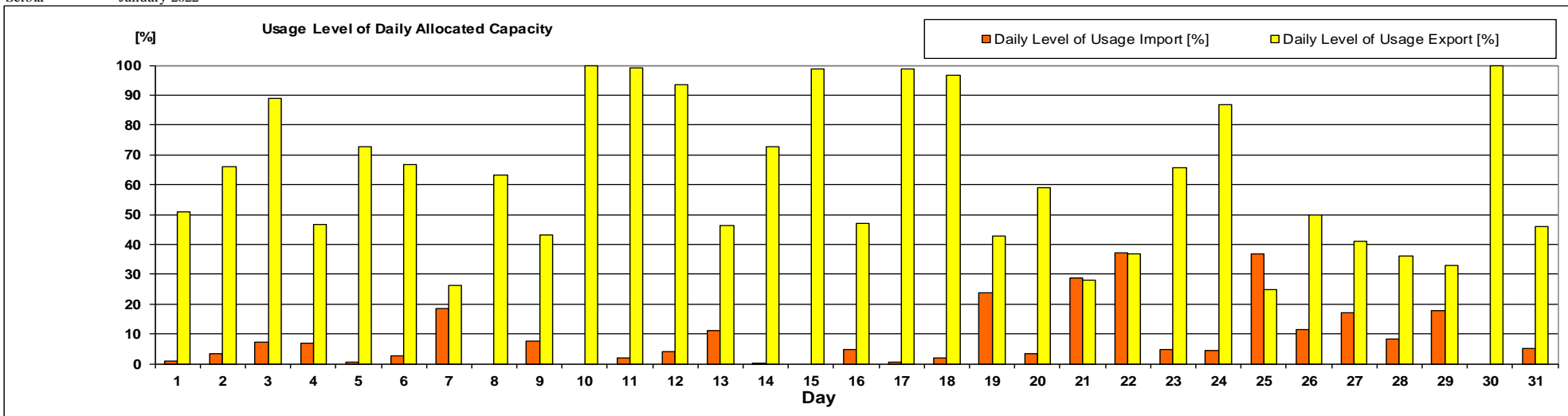
Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions after returns.

In January 2022, the average values (arithmetic) of usage level are: 43.67% on export direction and 0.73% on import direction.



Serbia

January 2022



Daily Level of Usage [%]

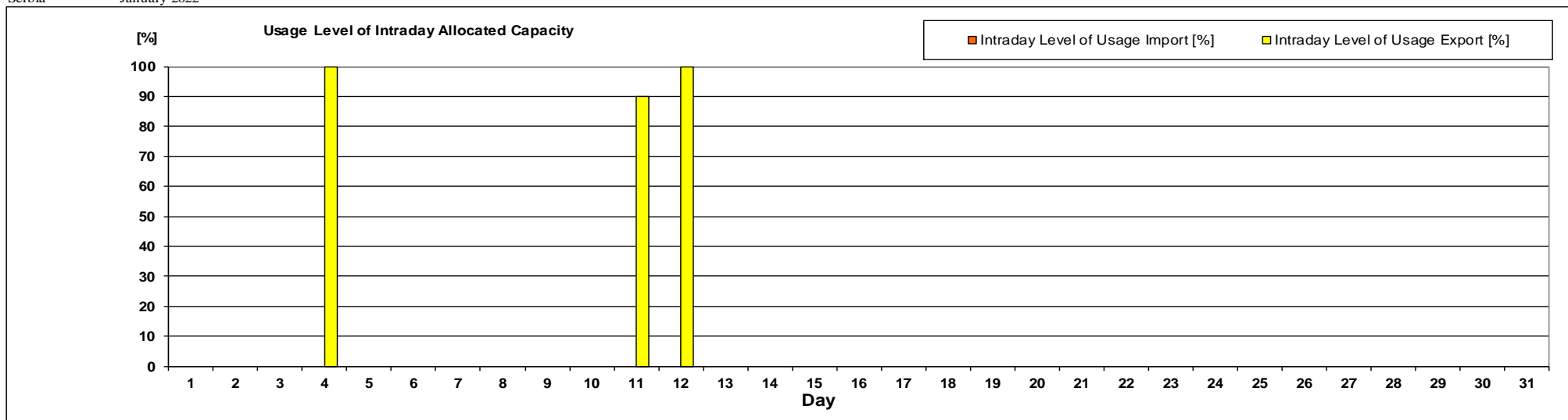
January 2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	0.89	3.52	7.22	6.88	0.43	2.63	18.45	0.00	7.49	0.00	1.89	3.98	11.02	0.15	0.00	4.63	0.65	2.11	23.70	3.20	28.78	37.11	4.83	4.23	36.76	11.41	16.97	8.37	17.73	0.00	4.99
Export	51.04	66.07	89.07	46.57	72.62	66.79	26.19	63.27	43.18	100.00	99.22	93.43	46.23	72.78	98.86	46.85	98.66	96.58	42.63	58.96	27.92	36.64	65.50	86.87	24.73	49.87	40.90	36.08	32.76	100.00	46.03

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 8.46 [%]
- Export 52.25 [%]

Serbia

January 2022



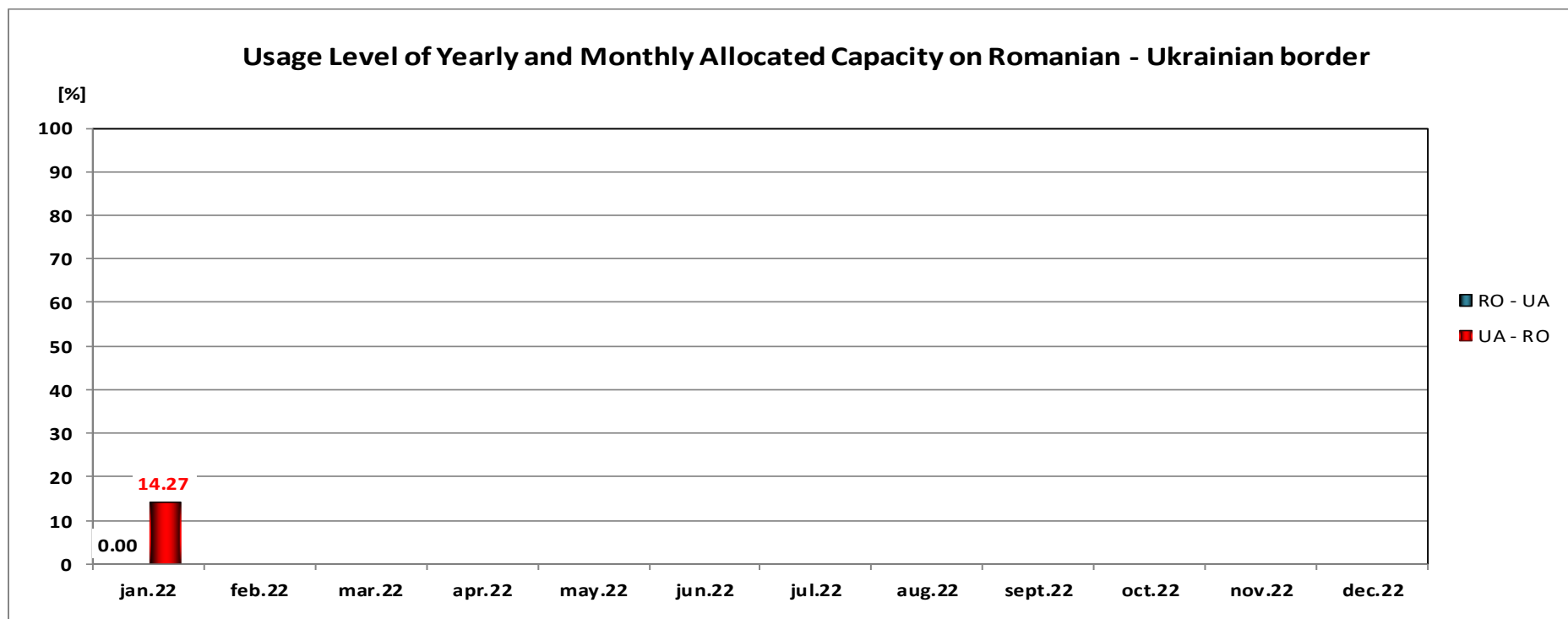
Intraday Level of Usage [%]

January 2022	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	100.00	-	-	-	-	-	-	89.89	100.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 - [%] (no requested capacity)
- Export 96.49 [%] (capacity was requested only for 04.01, 11.01 and 12.01.2022)

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.

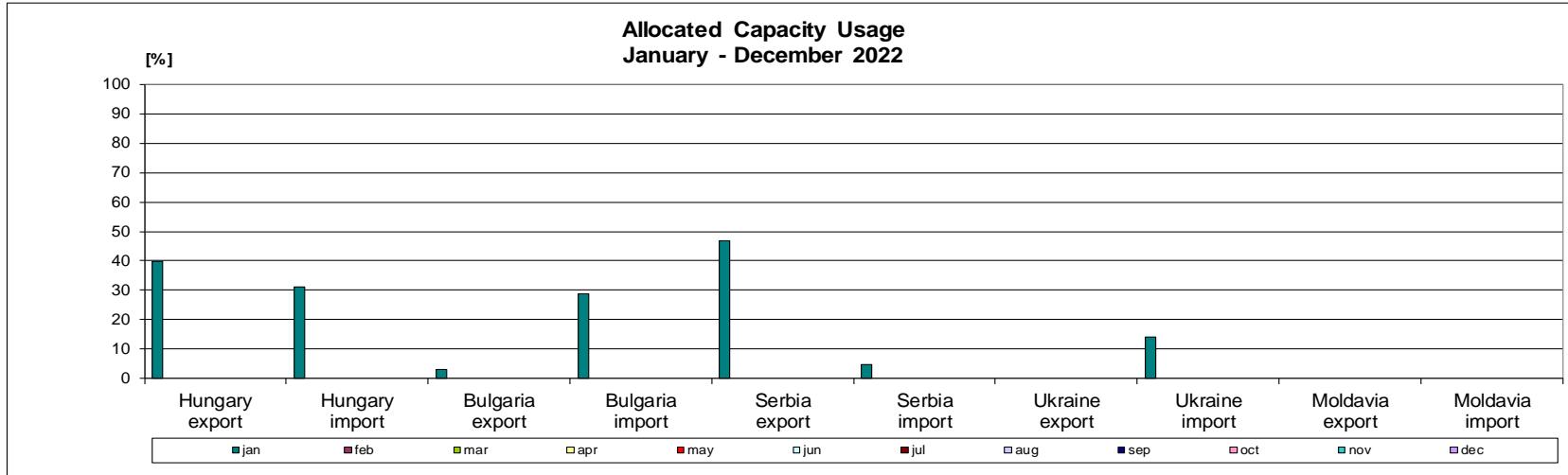
In January 2022, the average values (arithmetic) of usage level are: 0% on export direction and 14.27% on import direction.

# Market for Allocation of Cross-Border Capacities



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## Usage level of capacity rights



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.

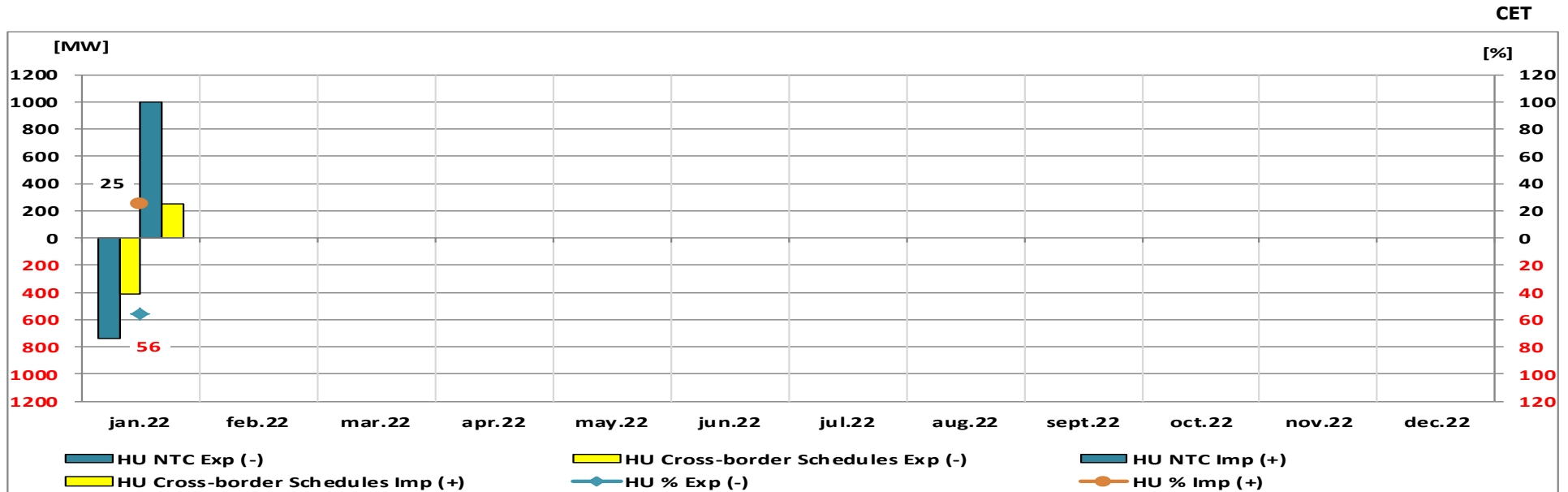
[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	39.89	30.99	3.10	28.88	46.85	4.87	0.00	14.27	-	-
feb										
mar										
apr										
may										
jun										
jul										
aug										
sep										
oct										
nov										
dec										
<b>average</b>	<b>39.89</b>	<b>30.99</b>	<b>3.10</b>	<b>28.88</b>	<b>46.85</b>	<b>4.87</b>	<b>0.00</b>	<b>14.27</b>	<b>-</b>	<b>-</b>

In January 2022, it was noticed a low level of capacity usage. The highest level of usage was on export direction to Serbia.

# Market for Allocation of Cross-Border Capacities



## Usage Level of NTC on Romanian – Hungarian border



Hungary (monthly averages values, MW)	jan.22	feb.22	mar.22	apr.22	may.22	jun.22	jul.22	aug.22	sept.22	oct.22	nov.22	dec.22	sum
HU NTC Exp (-)	-735												-735
HU Cross-border Schedules Exp (-)	-409												-409
HU NTC Imp (+)	1000												1000
HU Cross-border Schedules Imp (+)	249												249

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2022, the average values (arithmetic) of usage level are: 55.62% on export direction and 24.88% on import direction.

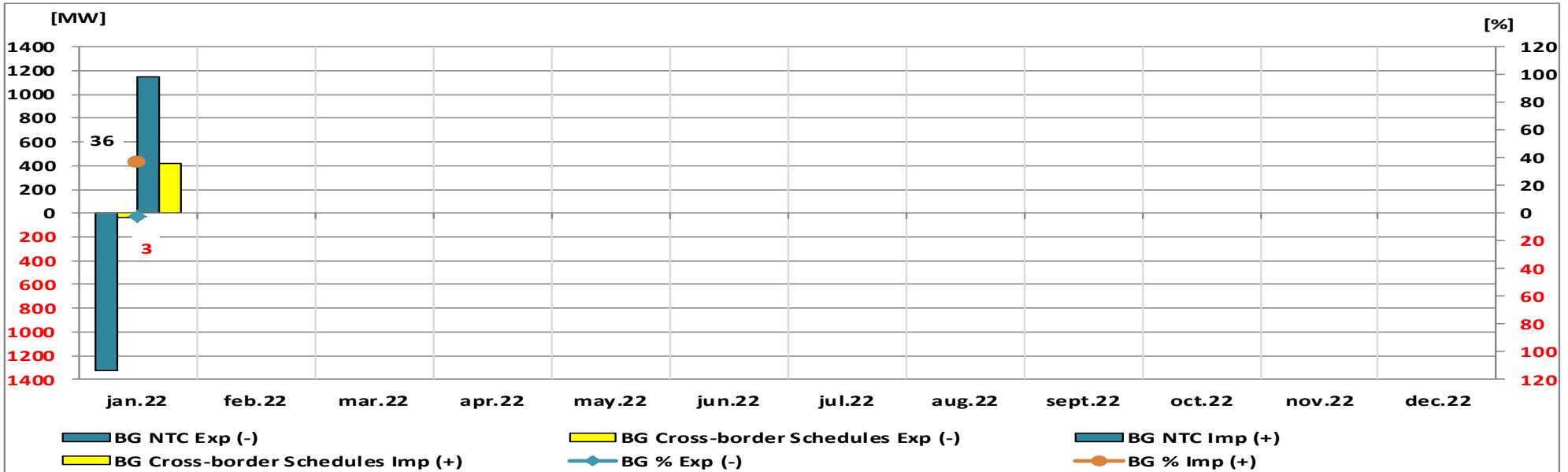


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# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Bulgarian border

CET



Bulgaria (monthly averages values, MW)	jan.22	feb.22	mar.22	apr.22	may.22	jun.22	jul.22	aug.22	sept.22	oct.22	nov.22	dec.22	sum
BG NTC Exp (-)	-1324												-1324
BG Cross-border Schedules Exp (-)	-35												-35
BG NTC Imp (+)	1149												1149
BG Cross-border Schedules Imp (+)	418												418

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2022, the average values (arithmetic) of usage level are: 2.66% on export direction and 36.4% on import direction.

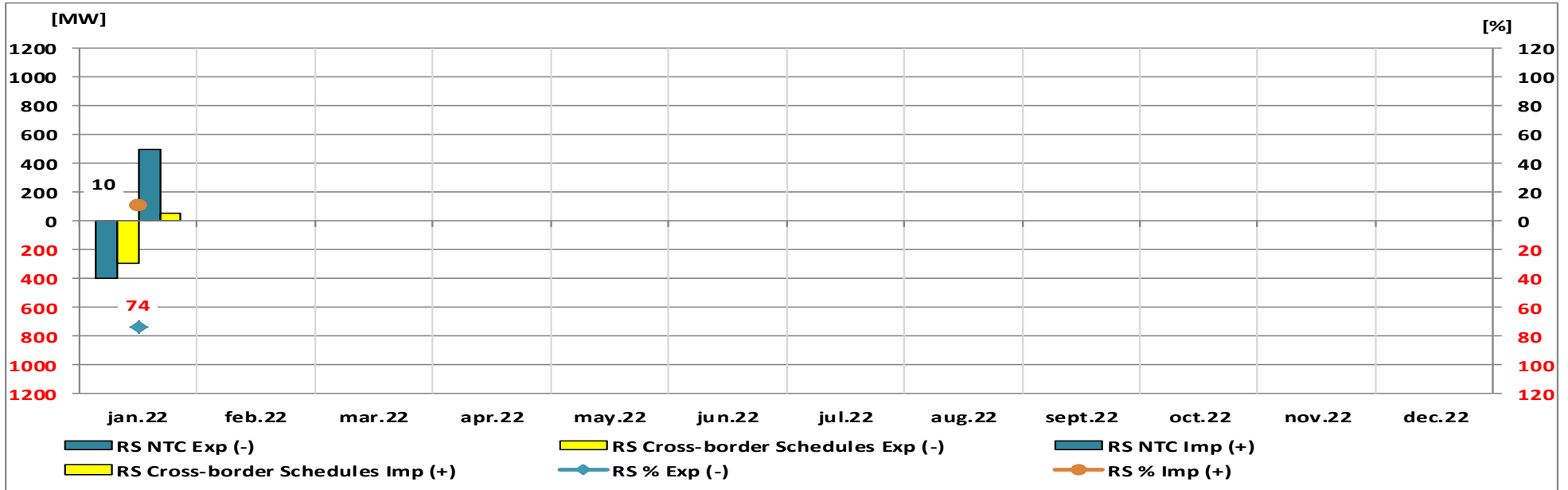


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# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Serbian border

CET

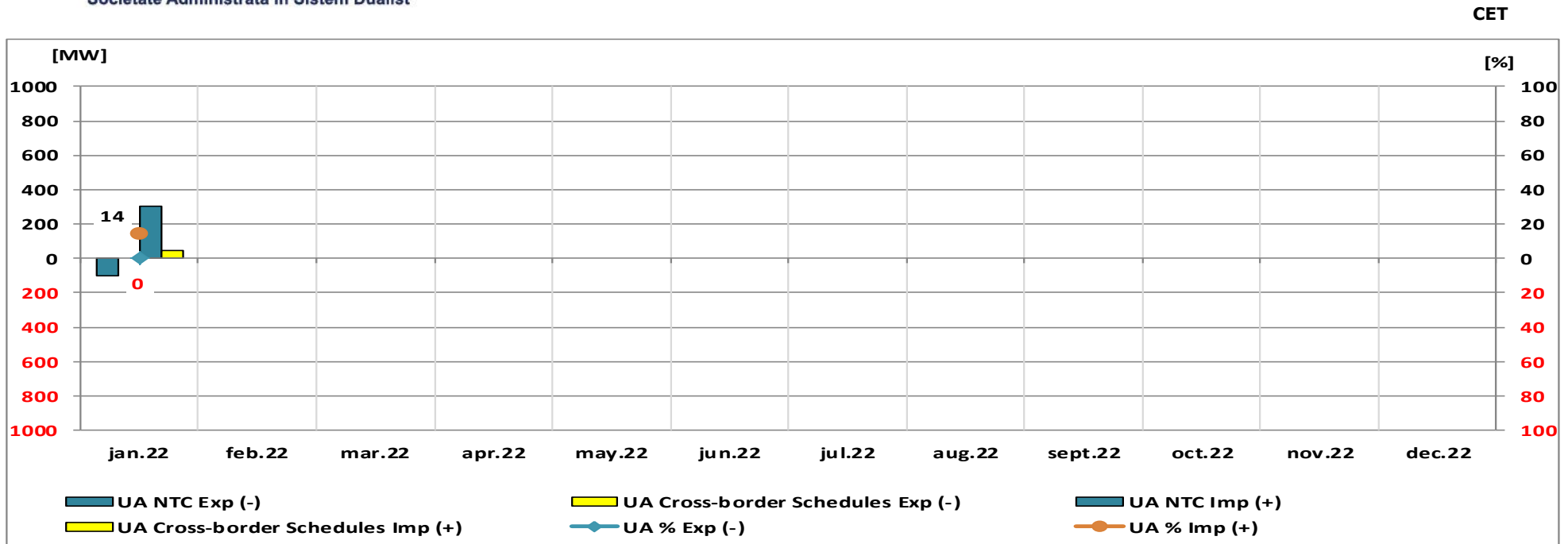


Serbia (monthly averages values, MW)	jan.22	feb.22	mar.22	apr.22	may.22	jun.22	jul.22	aug.22	sept.22	oct.22	nov.22	dec.22	sum
RS NTC Exp (-)	-400												-400
RS Cross-border Schedules Exp (-)	-295												-295
RS NTC Imp (+)	500												500
RS Cross-border Schedules Imp (+)	52												52

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2022, the average values (arithmetic) of usage level are: 73.75% on export direction and 10.49% on import direction.

# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Ukrainian border



Ukraine (monthly averages values, MW)	jan.22	feb.22	mar.22	apr.22	may.22	jun.22	jul.22	aug.22	sept.22	oct.22	nov.22	dec.22	sum
UA NTC Exp (-)	-100												-100
UA Cross-border Schedules Exp (-)	0												0
UA NTC Imp (+)	300												300
UA Cross-border Schedules Imp (+)	43												43

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. In January 2022, the average values (arithmetic) of usage level are: 0% on export direction and 14.27% on import direction.





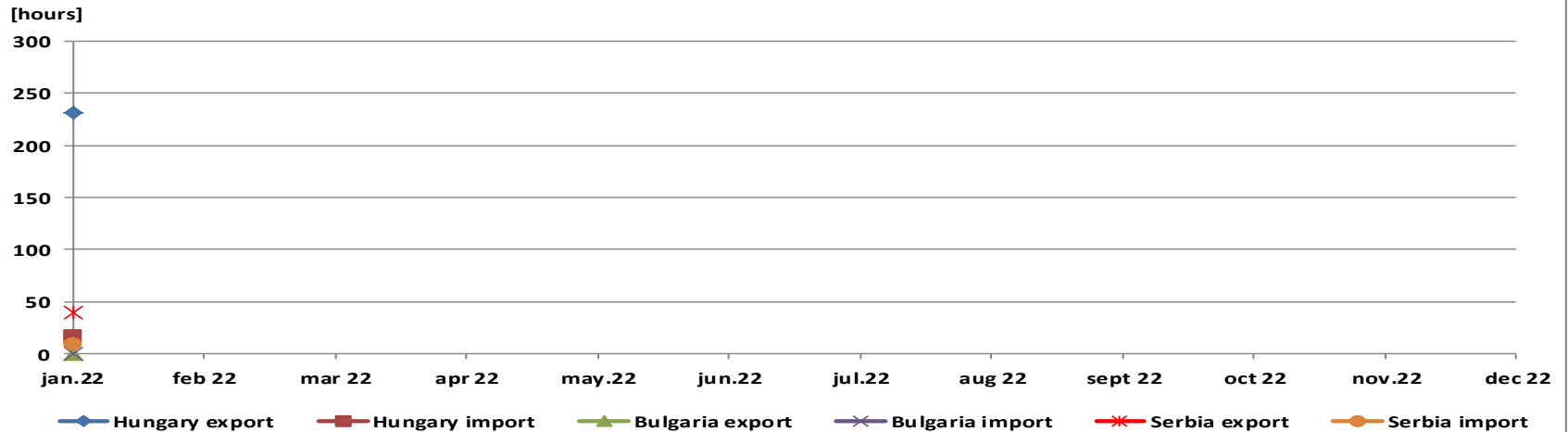
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# Market for Allocation of Cross-Border Capacities

## 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.22	feb 22	mar 22	apr 22	may.22	jun.22	jul.22	aug 22	sept 22	oct 22	nov.22	dec 22
Hungary export	232											
Hungary import	17											
Bulgaria export	0											
Bulgaria import	0											
Serbia export	40											
Serbia import	9											

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.

# Market for Allocation of Cross-Border Capacities



## Market indicators (C1, C3, HHI) on auction type and total values per border direction

January 2022

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
<b>Hungary import</b>	28.57	52.86	1414	20.71	56.43	1443	-	-	-	-	-	-	17.14	45.71	1000
<b>Hungary export</b>	14.29	40.00	992	17.86	48.93	1205	-	-	-	-	-	-	11.11	30.32	721
<b>Bulgaria import</b>	40.00	69.00	2178	13.17	38.17	930	-	-	-	-	-	-	20.00	39.55	933
<b>Bulgaria export</b>	20.00	41.00	935	17.33	44.00	993	-	-	-	-	-	-	14.55	37.64	727
<b>Serbia import</b>	35.20	85.20	2720	23.60	59.60	1556	27.76	60.25	1655	-	-	-	15.38	40.54	959
<b>Serbia export</b>	44.40	78.00	2733	40.00	84.00	2675	29.44	61.38	1720	100.00	100.00	10000	23.61	52.71	1339
<b>Ukraine import</b>	-	-	-	50.00	76.67	3061	-	-	-	-	-	-	50.00	76.67	3061
<b>Ukraine export</b>	-	-	-	44.44	88.89	3086	-	-	-	-	-	-	44.44	88.89	3086
<b>Moldavia import</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- On the Hungarian border implicit daily allocation is organized through the market coupling mechanism of day-ahead electricity markets (CZ-SK-HU-RO starting with 20.11.2014, respectively integration in Single Day-Ahead Market Coupling (SDAC) starting with 18.06.2021) and implicit intraday allocation is organized as a result of the integration of Romanian intraday market in SIDC-Single Intra-Day Market (starting with 20.11.2019).
- On the Bulgarian border implicit intraday allocation is organized as a result of the integration of Romanian intraday market in SIDC (Single Intra-Day Market) (starting with 20.11.2019) and implicit daily allocation is organized as a result of the integration in Single Day-Ahead Market Coupling (SDAC) (starting with 28.10.2021).



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