



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

April 2022



- 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.

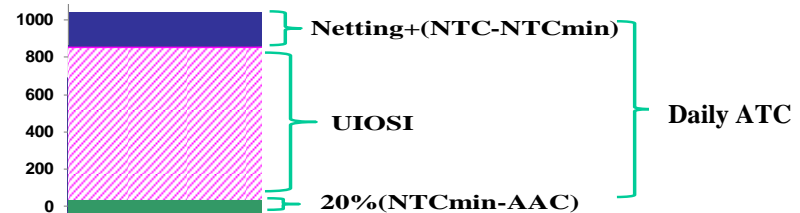
Using the records from the markets data base, Transelectrica prepares daily, weekly and monthly monitoring reports. A part of the data included in these reports (those data which are not confidential) is published on the website **www.transelectrica.ro**

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;
- Monthly auctions for April were held as:
 - ✓ import/export Hungary, import*/export Bulgaria, during the period 01 – 30.04.2022;
 - ✓ import Serbia, during the periods 01.04.2022; 02 – 03.04.2022; 04 – 08.04.2022; 09 – 10.04.2022; 11 – 15.04.2022; 16 – 22.04.2022; 23 – 24.04.2022; 25 – 30.04.2022;
 - ✓ export Serbia, during the periods 01.04.2022; 02 – 08.04.2022; 09 – 10.04.2022; 11 – 15.04.2022; 16 – 17.04.2022; 18 – 30.04.2022;
- Due to the conflict situation in Ukraine, no monthly capacity auctions were organized for April.

* 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 April 2022

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export 01 - 30 April 2022	6.10	800	700	350	350	0	280	3577	280	630
Hungary import 01 - 30 April 2022	1.82	800	700	350	350	100	380	3406	380	630
Bulgaria export 01 - 30 April 2022	0.41	1350	1250	750	500	0	600	5153	600	1100
Bulgaria import 01 April 2022	7.29	1100	1000	500	500	0	400	3959	400	900
02 - 03 April 2022	7.29	1350	1250	750	500	0	400	3959	400	900
04 - 08 April 2022	7.29	1100	1000	500	500	0	400	3959	400	900
09 - 30 April 2022	7.29	1350	1250	750	500	0	400	3959	400	900

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.



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Market for Allocation of Cross-Border Capacities

Monthly auction Results of 01 – 30 April 2022

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Serbia export										
01 April 2022	4.50	550	450	200	250	-	200	849	200	450
02 - 08 April 2022	2.80	600	500	250	250	-	250	761	250	500
09 - 10 April 2022	2.75	700	600	350	250	-	350	807	350	600
11 - 15 April 2022	2.38	750	650	400	250	-	400	889	400	650
16 - 17 April 2022	2.38	650	550	300	250	-	300	811	300	550
18 - 30 April 2022	5.21	500	400	150	250	-	150	689	150	400
Serbia import										
01 April 2022	0.56	600	500	250	250	-	250	662	250	500
02 - 03 April 2022	0.35	750	650	400	250	-	400	879	400	650
04 - 08 April 2022	0.45	600	500	250	250	-	250	748	250	500
09 - 10 April 2022	0.55	550	450	200	250	-	200	662	200	450
11 - 15 April 2022	0.30	750	650	400	250	-	400	854	400	650
16 - 22 April 2022	0.78	550	450	200	250	-	200	629	200	450
23 - 24 April 2022	0.66	650	550	300	250	-	300	764	300	550
25 - 30 April 2022	0.96	550	450	200	250	-	200	704	200	450
Ukraine export										
01 - 30 April 2022	-	0	0	-	-	-	-	-	-	-
Ukraine import										
01 - 30 April 2022	-	0	0	-	-	-	-	-	-	-
Moldavia export										
01 - 30 April 2022	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 30 April 2022	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti										
01 - 30 April 2022	-	-	-	-	-	-	-	-	-	-
RO_Costesti										
01 - 30 April 2022	-	-	-	-	-	-	-	-	-	-
RO_Cioara										
01 - 30 April 2022	-	-	-	-	-	-	-	-	-	-

Notes:

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

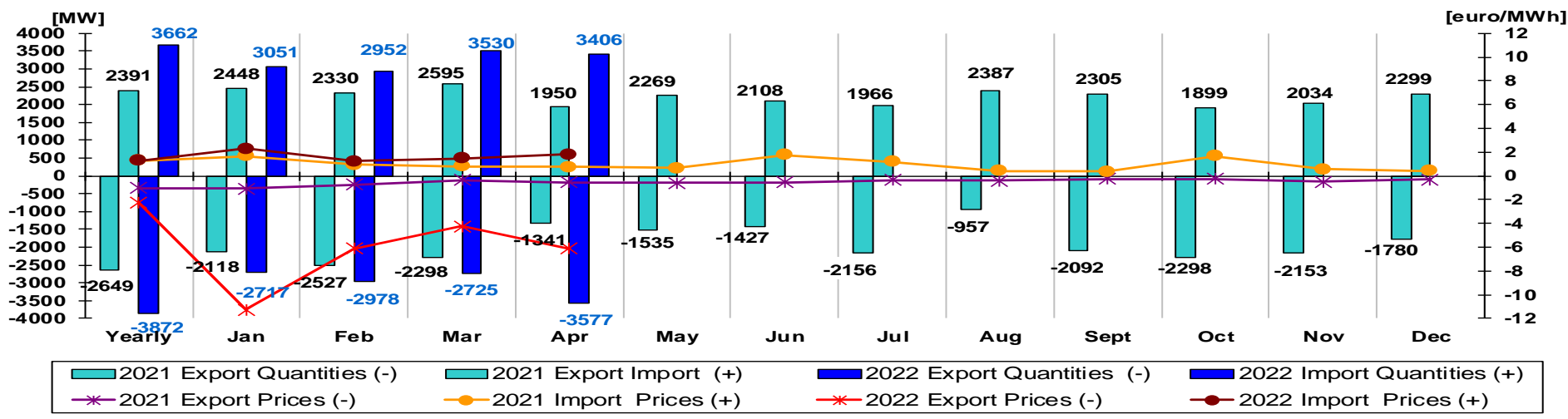
Final rights = monthly allocated capacity + yearly allocated capacity after returns and withdrawals.

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	6.11	4.26	6.10								
Hungary import	1.28	2.29	1.23	1.50	1.82								

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

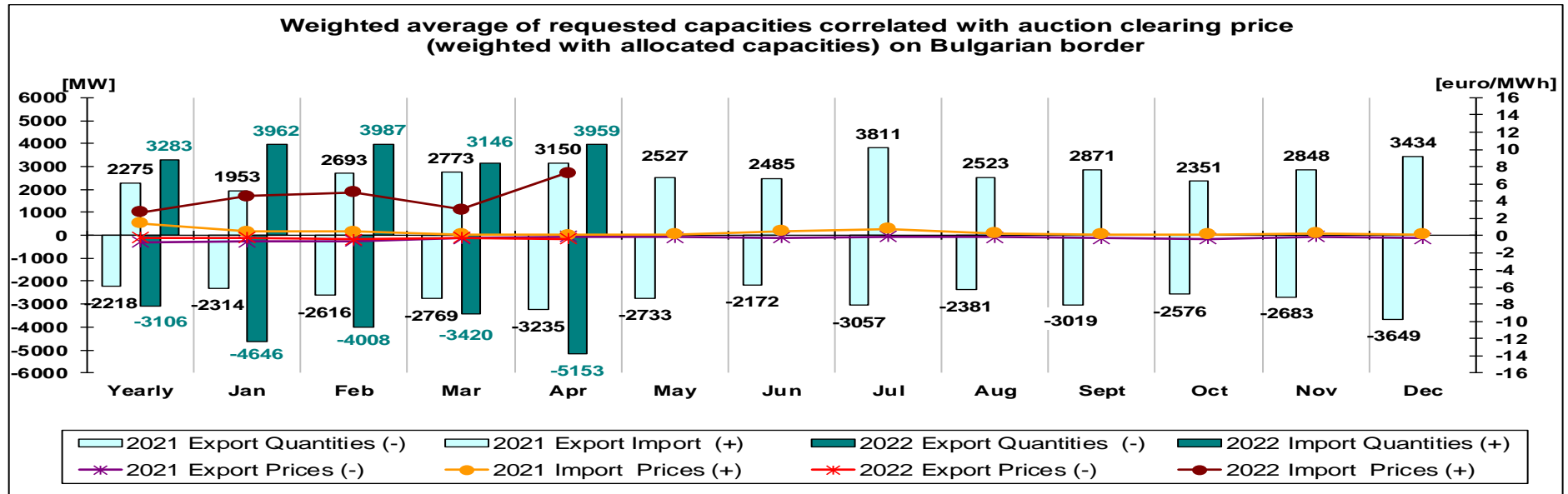
- Compared with previous year, in April 2022 there was a significant increase in the auction price on export direction, while offered capacity and requested capacity were higher. On import direction, monthly auction price increased compared with similar period of previous year, while offered capacity and requested capacity were higher.

Market for Allocation of Cross-Border Capacities



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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	0.49	0.28	0.41								
Bulgaria import	2.71	4.56	5.00	3.02	7.29								

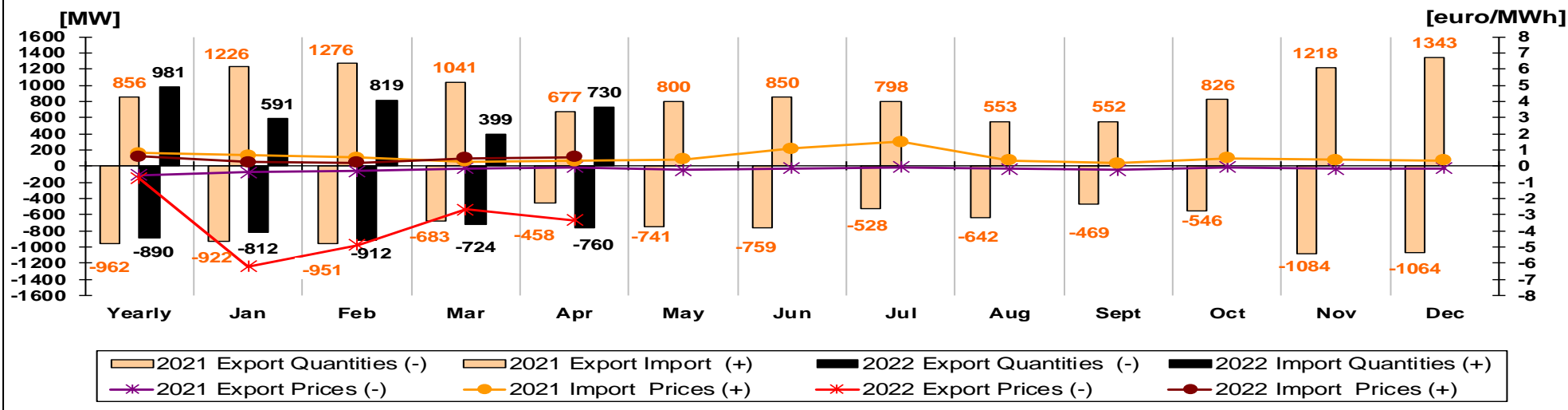
Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Bulgaria export	0.77	0.71	0.68	0.35	0.18	0.19	0.25	0.14	0.20	0.33	0.38	0.18	0.32
Bulgaria import	1.43	0.41	0.40	0.09	0.07	0.09	0.51	0.73	0.24	0.14	0.12	0.21	0.14

- Compared with previous year, in April 2022 the auction price slightly increased on export direction, while offered capacity and requested capacity were higher. On import direction, monthly auction price significantly 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	4.87	2.67	3.34								
Serbia import	0.60	0.25	0.21	0.48	0.56								

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
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

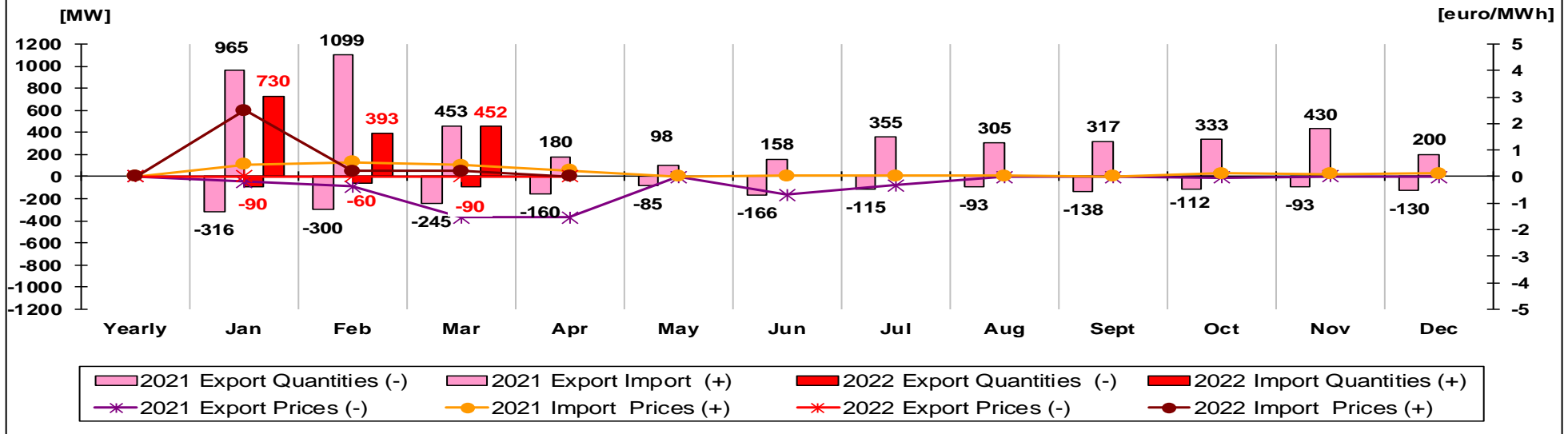
- Compared with previous year, in April 2022 the auction price significantly increased on export direction, while offered capacity was lower and requested capacity was higher. On import direction monthly auction price increased, while offered capacity was lower and requested capacity was higher.



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Market for Allocation of Cross-Border Capacities

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	0.00	0.00	-	-	-	-	-	-	-	-	-
Ukraine import	-	2.50	0.20	0.22	-	-	-	-	-	-	-	-	-

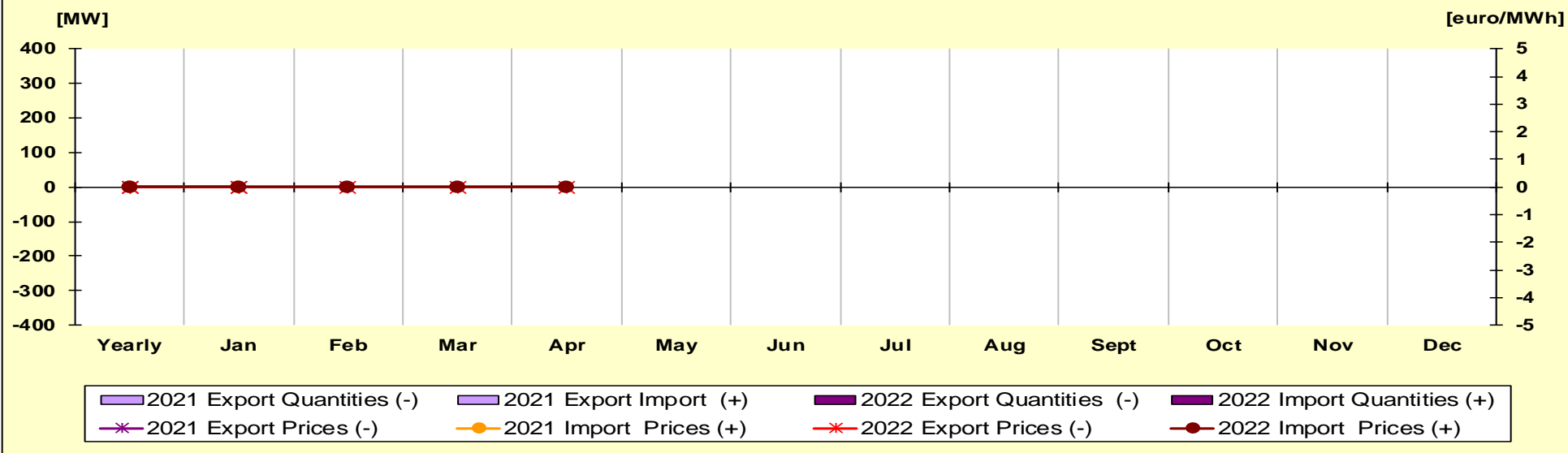
Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Ukraine export	-	0.20	0.37	1.55	1.55	0.02	0.69	0.32	0.01	0.02	0.04	0.00	0.02
Ukraine import	-	0.45	0.55	0.44	0.23	0.02	0.03	0.02	0.02	0.02	0.12	0.09	0.11

- In April 2022, no monthly auctions were held on Ukrainian border.

Market for Allocation of Cross-Border Capacities



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

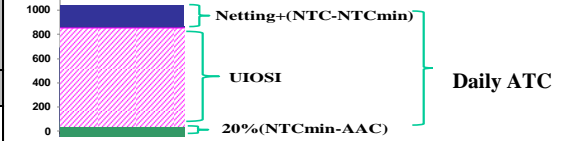


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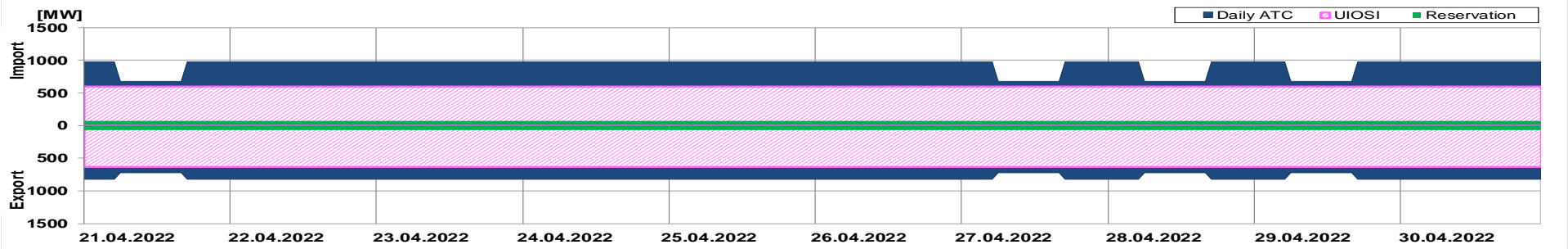
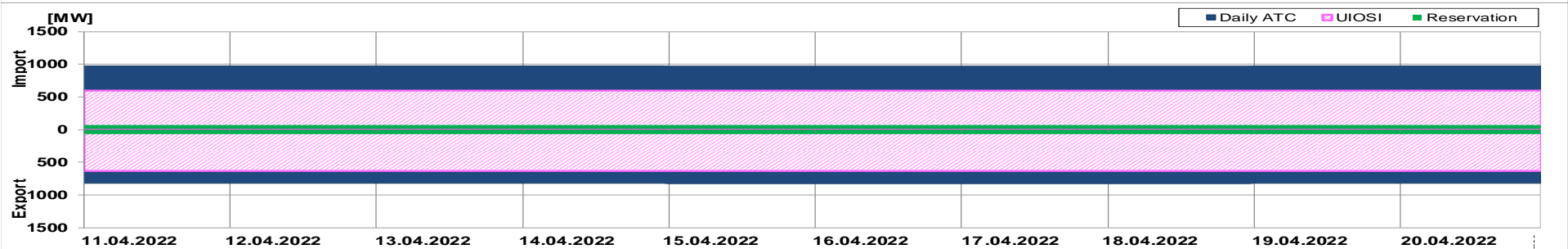
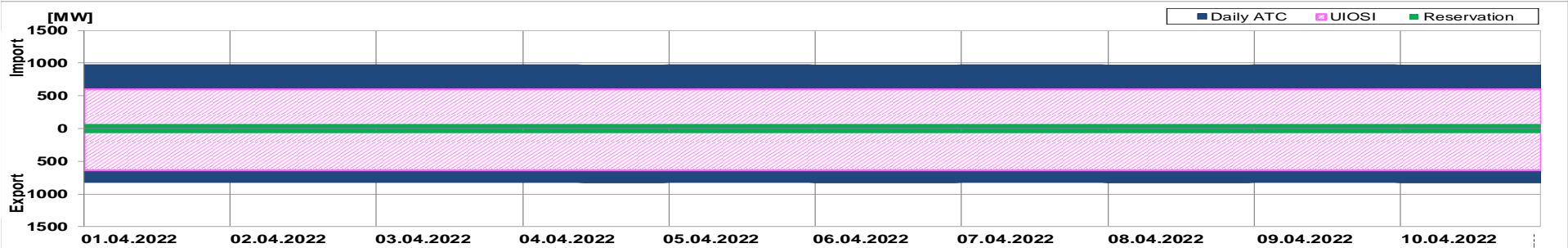
Market for Allocation of Cross-Border Capacities

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	626	600



Hungary April 2022



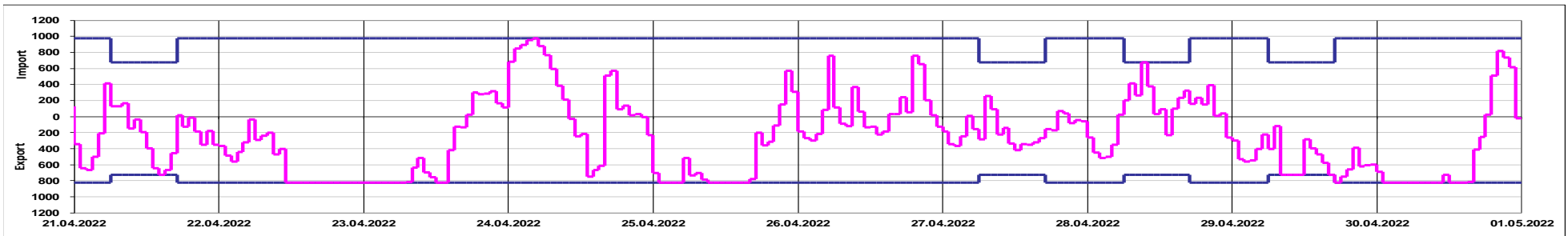
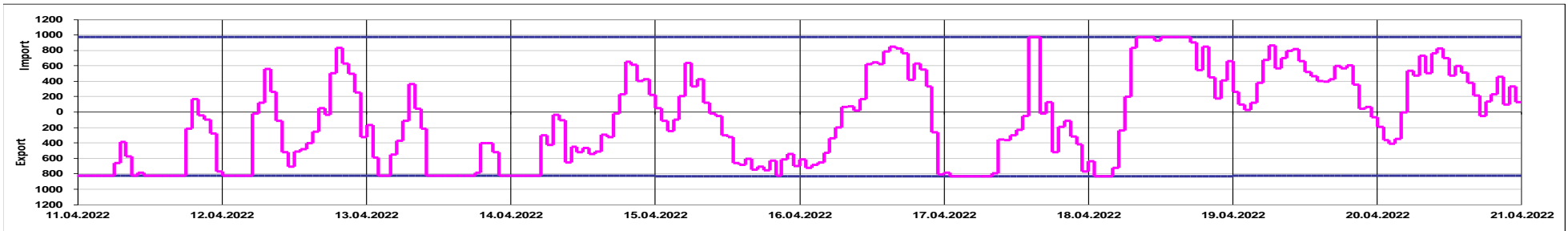
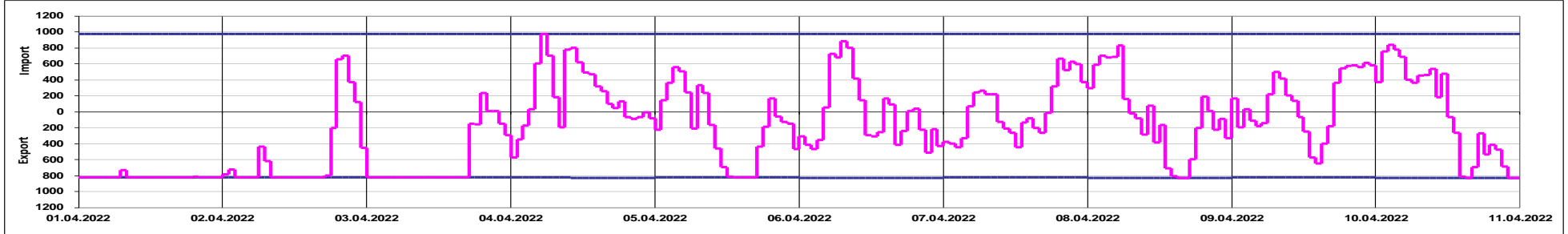


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Market for Allocation of Cross-Border Capacities

Daily Implicit Auctions on Romanian – Hungarian border

Hungary April 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	24.26	24.26	24.26	24.26	64.83	115.93	138.41	202.82	150.20	134.01	95.03	43.22	43.22	43.22	43.24	43.25	80.65	121.29	134.05	232.41	150.20	134.05	134.05	91.08	232.41
2	112.01	125.01	131.72	80.66	80.66	99.73	135.84	168.06	150.20	97.18	43.23	6.06	6.06	6.06	10.59	33.12	93.04	171.27	229.34	275.10	263.63	232.11	220.40	185.44	275.10
3	138.41	80.68	38.93	40.92	21.00	35.23	50.07	80.68	50.10	13.35	5.06	1.01	1.01	1.01	1.01	6.07	80.68	132.21	204.18	253.45	258.97	240.05	229.54	155.03	258.97
4	160.02	134.04	99.41	112.33	119.96	188.62	317.04	429.43	450.05	301.48	221.07	227.92	302.76	270.99	268.47	206.92	209.95	205.00	243.07	372.01	260.08	170.02	165.06	150.18	450.05
5	150.19	134.02	110.77	109.84	118.55	150.21	200.03	261.86	291.22	279.80	261.38	256.19	221.04	161.77	150.21	153.39	213.63	262.21	280.28	309.93	283.90	244.99	214.33	183.88	309.93
6	156.01	169.47	160.38	147.14	151.54	190.06	230.51	320.56	232.02	195.15	160.10	163.02	157.03	147.00	137.91	144.02	150.86	155.75	176.54	221.75	194.77	164.23	140.66	125.04	320.56
7	109.53	99.49	89.22	89.18	85.09	138.41	148.78	252.15	280.47	205.00	148.77	148.74	148.77	143.00	138.41	148.77	166.20	189.92	177.44	277.50	277.50	217.54	202.30	148.75	280.47
8	138.41	101.95	80.00	78.51	92.34	111.98	138.94	183.13	201.19	150.74	131.56	143.16	125.64	132.80	138.41	144.60	145.94	202.31	229.90	267.77	259.04	233.96	205.59	182.25	267.77
9	148.62	140.00	126.31	117.42	115.00	111.48	119.88	129.85	131.87	134.02	131.01	134.02	126.75	110.00	110.00	125.08	130.10	134.02	134.05	223.73	209.92	138.41	134.05	117.85	223.73
10	95.75	50.68	61.27	52.27	64.00	60.17	51.65	64.44	56.17	60.04	33.72	30.00	22.08	8.80	5.13	4.05	8.52	91.09	139.90	240.57	260.40	239.54	225.51	80.74	260.40
11	24.28	21.72	5.97	6.07	24.28	150.19	264.91	299.93	285.03	254.03	214.92	143.16	138.41	134.02	81.80	69.06	134.03	209.95	263.32	330.17	352.61	267.81	247.99	204.40	352.61
12	192.23	138.41	138.41	138.41	185.55	191.53	229.54	268.78	260.33	228.56	182.51	172.32	150.18	147.63	149.45	152.78	167.37	239.91	247.91	273.36	278.41	211.21	199.27	167.81	278.41
13	180.35	182.85	150.20	150.20	183.44	212.32	248.74	268.10	273.83	254.25	145.02	121.23	95.90	80.75	64.85	58.49	89.04	138.41	266.20	298.95	301.63	269.03	209.97	138.41	301.63
14	138.41	134.04	134.02	134.04	146.73	204.46	254.00	272.33	282.11	252.78	216.35	212.54	202.24	195.19	193.64	191.99	194.53	212.80	244.94	271.07	272.31	265.46	253.68	235.40	282.11
15	214.90	199.06	194.73	191.01	191.92	196.86	205.33	220.91	214.77	189.92	190.62	186.55	160.03	167.65	157.38	151.11	155.01	179.32	196.21	228.35	235.99	208.84	205.09	196.24	235.99
16	191.16	183.37	178.00	174.21	171.81	179.60	188.98	191.12	189.60	172.62	146.58	121.99	91.92	102.32	99.72	105.04	134.03	132.99	171.19	207.95	228.58	194.47	175.84	166.88	228.58
17	160.22	134.03	96.84	58.95	43.10	43.06	60.89	91.03	133.55	100.00	75.92	41.29	26.29	4.87	0.45	0.45	15.00	66.20	158.02	182.55	191.54	188.08	171.46	158.07	191.54
18	95.90	74.47	58.10	62.00	85.25	92.31	95.23	105.00	115.65	105.98	95.96	84.18	109.03	107.00	121.18	121.18	121.18	121.25	189.84	313.51	331.36	266.17	257.32	225.68	331.36
19	205.00	192.98	191.14	190.95	190.00	230.11	253.81	296.55	295.43	278.56	256.88	253.51	245.42	241.31	224.29	226.22	238.97	235.10	258.97	313.46	329.13	246.65	253.24	237.19	329.13
20	191.00	189.55	183.10	183.28	183.38	222.21	252.75	295.00	279.14	300.04	263.53	250.75	236.05	230.00	205.07	234.00	238.79	245.86	253.43	290.43	300.65	272.03	255.29	231.03	300.65
21	188.6	179.9	181.1	178.9	180.5	200.0	237.1	266.0	256.3	232.3	207.9	199.5	205.2	179.2	156.3	178.7	178.2	187.7	245.3	299.4	283.5	220.4	200.0	177.5	299.37
22	196.4	185.4	187.0	179.4	176.1	189.6	218.1	240.0	244.1	221.1	200.0	203.9	160.1	138.4	125.0	137.6	138.4	160.1	151.7	143.3	143.3	137.0	133.0	50.0	244.10
23	64.8	43.1	43.1	43.1	64.9	92.7	121.2	145.0	147.2	135.0	145.0	150.0	160.1	160.1	150.0	145.0	149.9	145.0	151.3	208.1	226.5	145.1	160.1	138.4	226.52
24	108.4	108.8	124.0	115.2	128.0	129.7	134.1	133.8	107.7	101.6	80.0	86.3	76.6	56.9	51.7	77.3	95.0	113.0	165.0	198.7	225.0	216.8	205.7	187.0	224.95
25	185.0	160.1	160.1	160.1	181.7	200.1	237.2	261.9	272.5	160.1	120.0	74.0	24.3	50.2	82.0	138.4	189.5	209.3	252.7	273.9	275.7	264.9	254.0	235.4	275.71
26	217.9	210.5	204.6	201.1	206.3	233.0	266.5	290.0	290.0	262.0	235.9	224.3	225.8	212.9	214.2	223.6	232.1	239.9	260.6	281.0	286.8	270.0	255.0	234.9	290.00
27	206.7	198.0	196.4	194.5	197.5	209.9	244.2	276.6	282.9	252.7	227.7	214.8	207.7	200.6	193.2	191.0	191.4	206.5	239.3	267.9	266.3	254.9	235.3	202.6	282.91
28	214.63	201.94	198.00	201.37	201.50	218.35	255.00	283.37	279.29	256.25	224.93	213.56	208.00	200.09	197.05	196.30	197.13	217.63	255.00	279.09	284.91	268.91	253.56	222.78	284.91
29	206.05	203.15	202.52	203.23	205.09	213.86	255.77	280.06	256.08	243.65	214.96	214.96	208.37	197.25	195.24	195.04	153.39	198.18	246.98	262.08	265.87	254.97	241.56	217.91	280.06
30	204.78	171.71	154.44	149.59	154.45	154.41	194.63	199.05	198.50	154.43	154.42	186.58	154.46	154.43	154.43	159.69	166.65	192.02	226.09	246.97	254.23	247.11	239.09	219.00	254.23

Average 174.30 EUR/MWh

RO-HU April 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	87.46	75.38	70.22	75.33	44.19	24.08	40.22	-	73.38	107.17	128.44	171.45	161.28	137.11	103.86	97.57	61.68	51.11	57.65	-	87.39	65.87	33.80	60.78	171.45	
2	-	-	-	59.88	46.18	15.18	-	-	40.10	94.97	126.54	160.88	154.57	126.12	110.01	95.33	44.41	-	-	-	-	-	-	-	-	160.88
3	60.67	28.86	70.61	72.42	88.54	63.23	59.06	111.92	147.14	168.72	175.70	178.12	173.19	118.63	96.06	97.93	40.71	-	-	-	-	-	-	-	-	178.12
4	-	-	-	-	-	55.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.18
5	-	-	-	-	-	-	-	-	-	-	-	-	-	61.21	58.28	69.58	10.78	-	-	-	-	-	-	-	-	69.58
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.03	40.17	-	-	-	-	-	-	-	-	40.17
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.95	-	-	-	-	-	-	-	12.77	143.56	143.56
11	158.10	163.26	178.63	179.61	171.27	70.37	-	-	-	0.97	-	47.55	49.44	47.82	98.18	110.71	48.83	9.44	-	-	-	-	-	-	-	179.61
12	6.80	50.30	46.57	44.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.30
13	-	-	28.50	26.84	-	-	-	-	-	-	67.88	71.22	92.82	114.29	135.20	137.51	111.43	102.84	-	-	-	-	40.03	93.53	137.51	
14	94.04	73.59	66.12	64.01	53.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.04
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
17	-	5.94	24.92	64.43	90.86	63.61	37.73	31.33	-	-	-	-	-	-	0.45	0.37	-	-	-	-	-	-	-	-	-	90.86
18	-	6.53	25.90	19.00	-	-	-	-	7.00	1.48	0.09	-	29.43	45.47	76.18	60.60	38.26	-	-	-	-	-	-	-	-	76.18
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.17	-	-	-	-	-	-	-	-	-	-	15.17
22	-	-	-	-	-	-	-	-	-	-	-	6.07	56.82	77.75	88.01	79.31	80.57	69.91	40.60	66.32	66.67	54.25	57.50	103.76	103.76	
23	75.54	84.43	86.99	87.00	65.23	29.70	8.61	-	-	-	-	-	20.58	15.81	-	-	-	-	-	-	-	-	-	-	-	87.00
24	-	-	-	-	16.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.02
25	-	23.66	25.52	25.99	6.40	-	-	-	-	88.94	112.55	153.99	186.73	149.80	112.90	53.58	-	-	-	-	-	-	-	-	-	186.73
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	-	-	-	-	4.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.99
29	-	-	-	-	-	-	-	-	35.14	12.69	15.37	2.44	-	-	-	-	52.61	18.12	-	-	-	-	-	-	-	52.61
30	-	17.39	35.47	37.88	35.51	40.40	6.37	7.54	11.51	51.42	41.53	-	25.58	18.51	11.92	-	-	-	-	-	-	-	-	-	-	51.42

Average 66.58 EUR/MWh

RO-HU

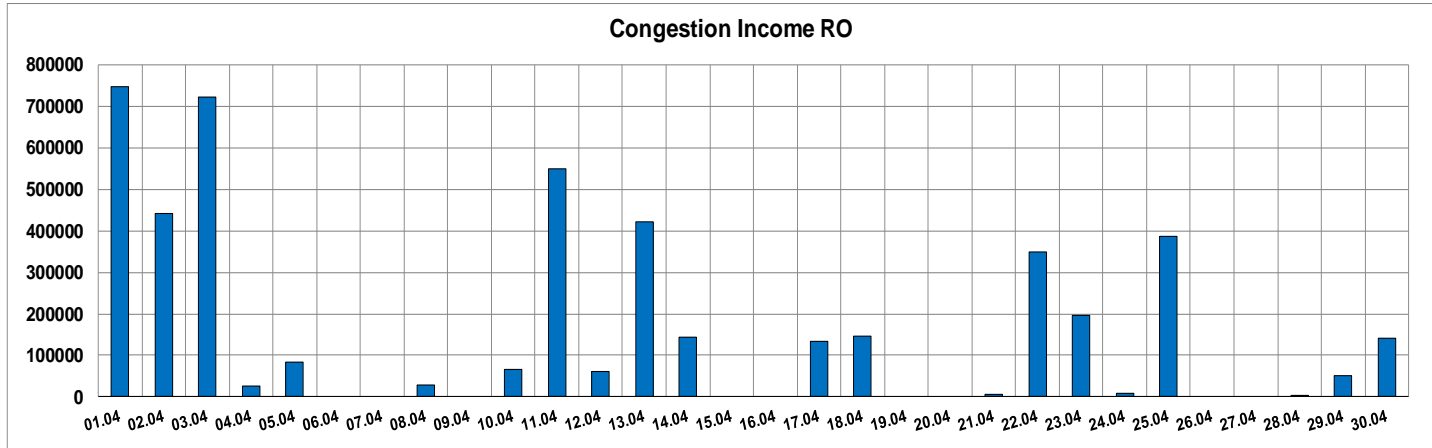
April 2022



Transelectrica®
Societate Administrată în Sistem Dualist

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]
01.04	1495906	747953
02.04	885116	442558
03.04	1443244	721622
04.04	53856	26928
05.04	164676	82338
06.04	0	0
07.04	0	0
08.04	59025	29512
09.04	0	0
10.04	130385	65193
11.04	1099364	549682
12.04	122166	61083
13.04	842202	421101
14.04	289224	144612
15.04	0	0
16.04	0	0
17.04	265098	132549
18.04	293649	146824
19.04	0	0
20.04	0	0
21.04	10983	5492
22.04	698373	349186
23.04	390485	195243
24.04	15636	7818
25.04	774609	387305
26.04	0	0
27.04	0	0
28.04	3373	1687
29.04	100544	50272
30.04	281009	140504
Total	9418924	4709462

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
9094250	324674	6906936	200351
9418924		7107287	

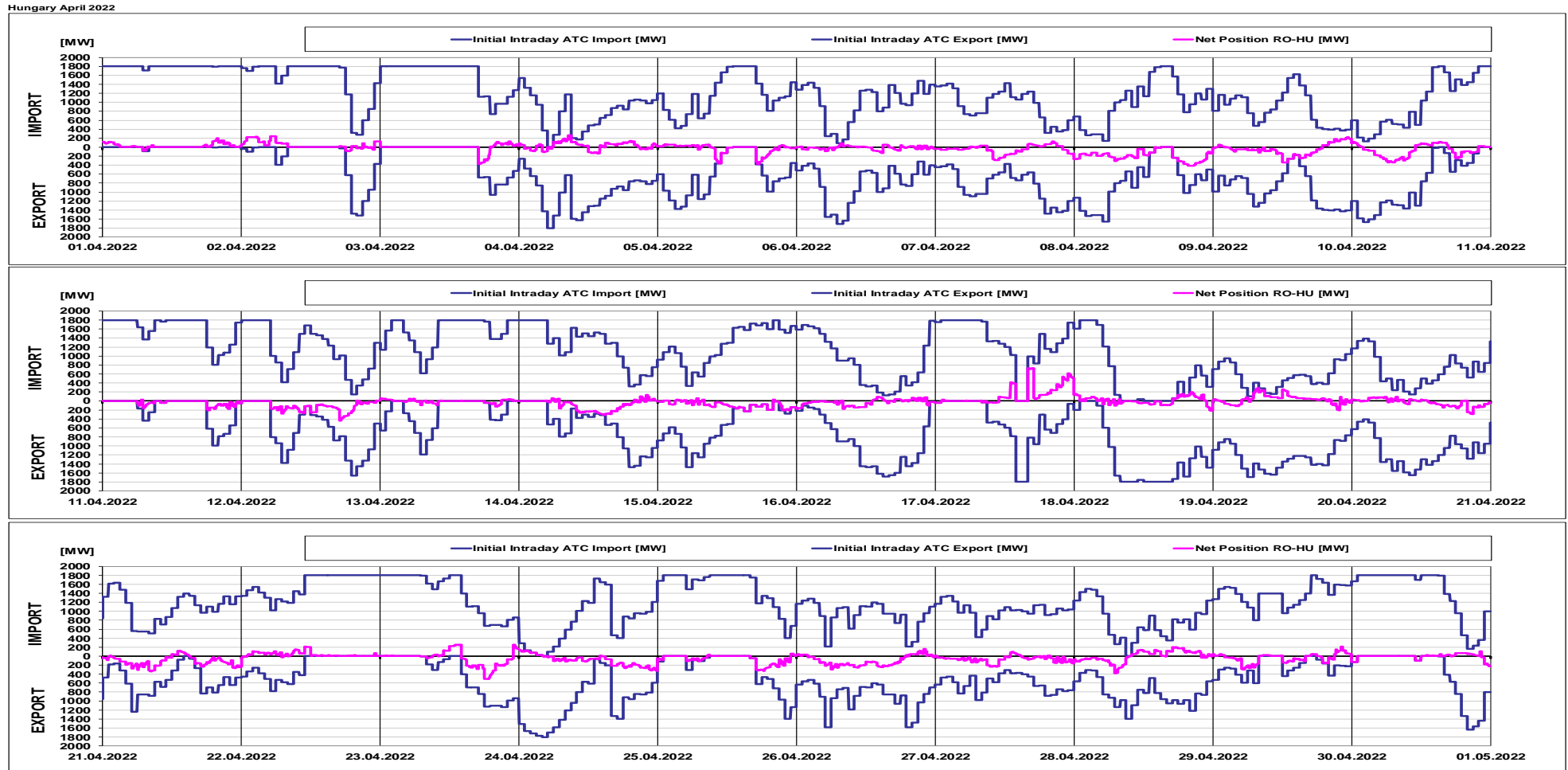
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
2311637	1155818



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Market for Allocation of Cross-Border Capacities

Intraday Implicit Auctions on Romanian – Hungarian border



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

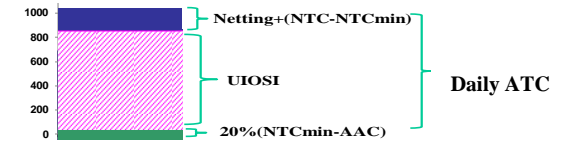


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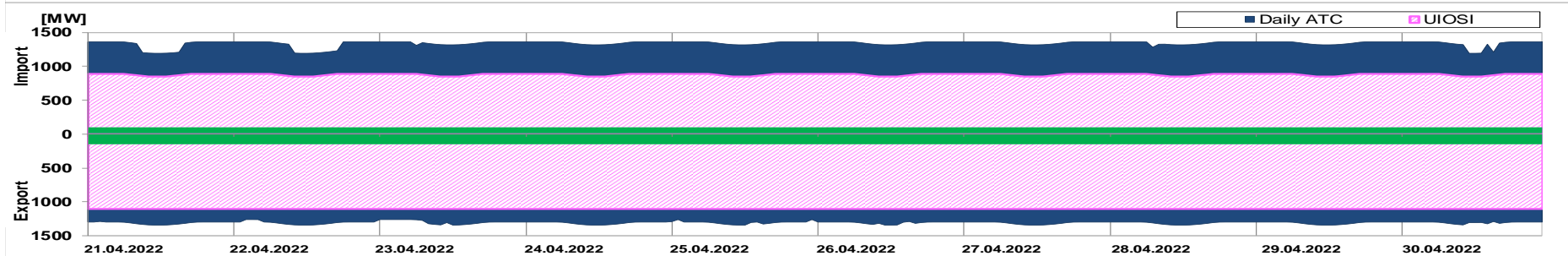
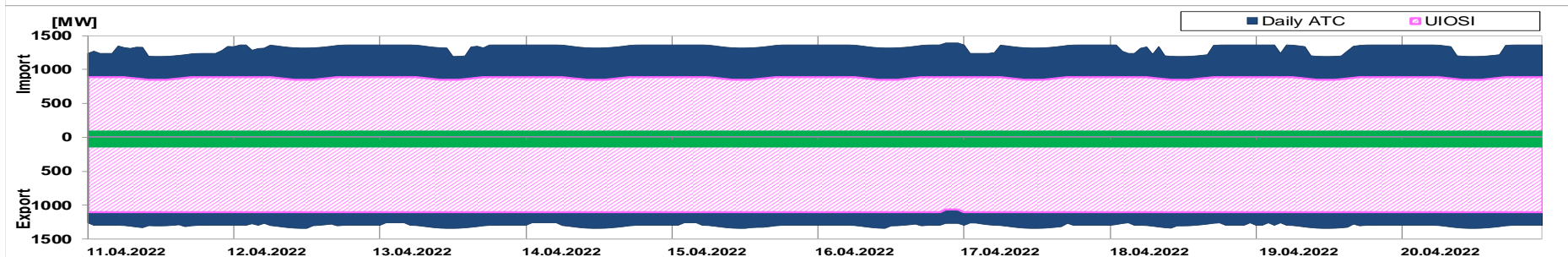
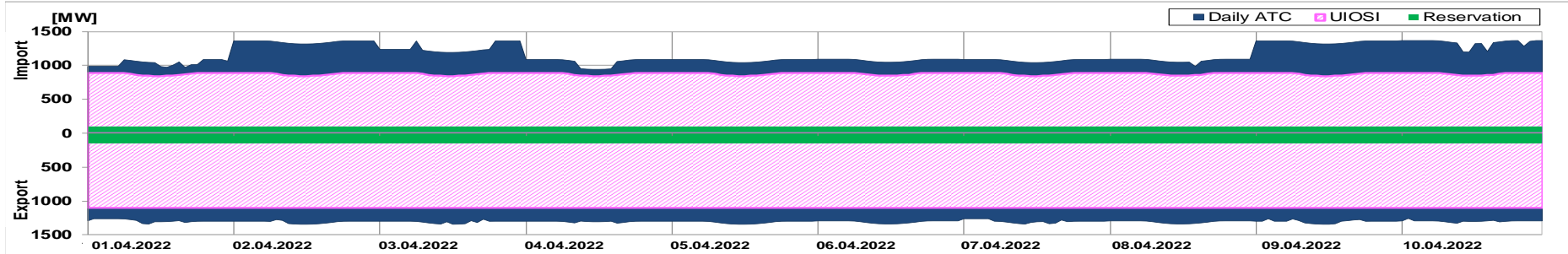
Market for Allocation of Cross-Border Capacities

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	100	1100	874



Bulgaria April 2022



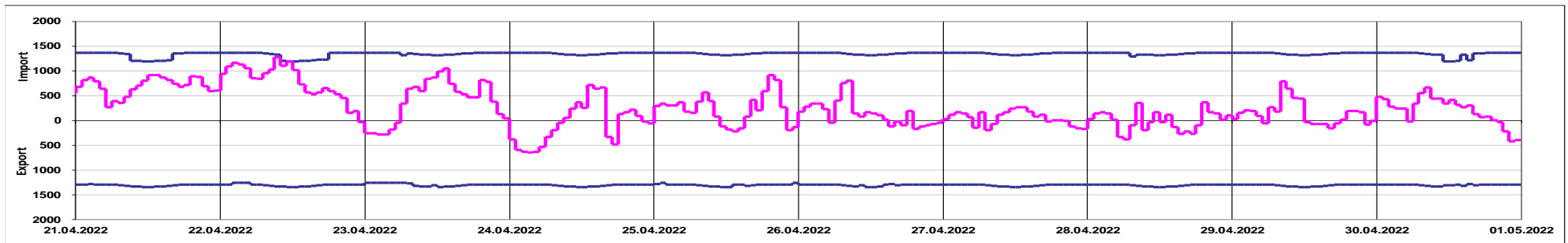
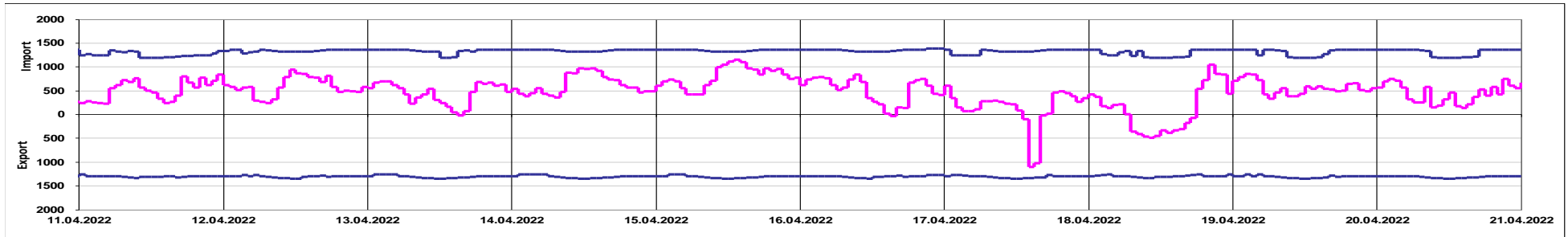
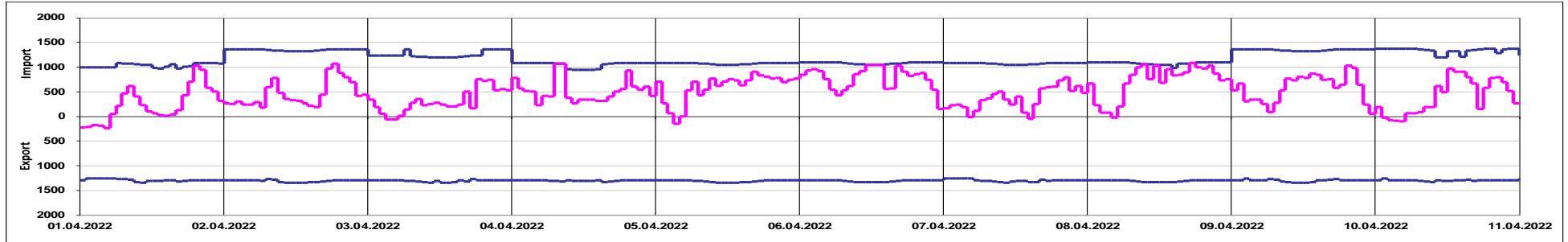


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Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Implicit Auctions on Romanian – Bulgarian border

Bulgaria April 2022



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



Transelectrica®

Societate Administrată în Sistem Dualist

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	24.26	24.26	24.26	24.26	64.83	115.93	138.41	202.82	150.20	134.01	95.03	43.22	43.22	43.22	43.24	43.25	80.65	121.29	134.05	232.41	150.20	134.05	134.05	91.08	232.41	
2	112.01	125.01	131.72	80.66	80.66	99.73	135.84	168.06	150.20	97.18	43.23	6.06	6.06	6.06	10.59	33.12	93.04	171.27	229.34	275.10	263.63	232.11	220.40	185.44	275.10	
3	138.41	80.68	38.93	40.92	21.00	35.23	50.07	80.68	50.10	13.35	5.06	1.01	1.01	1.01	6.07	80.68	132.21	204.18	253.45	258.97	240.05	229.54	155.03	258.97		
4	160.02	134.04	99.41	112.33	119.96	188.62	317.04	429.43	450.05	301.48	221.07	227.92	302.76	270.99	268.47	206.92	209.95	205.00	243.07	372.01	260.08	170.02	165.06	150.18	450.05	
5	150.19	134.02	110.77	109.84	118.55	150.21	200.03	261.86	291.22	279.80	261.38	256.19	221.04	161.77	150.21	153.39	213.63	262.21	280.28	309.93	283.90	244.99	214.33	183.88	309.93	
6	156.01	169.47	160.38	147.14	151.54	190.06	230.51	320.56	232.02	195.15	160.10	163.02	157.03	147.00	137.91	144.02	150.86	155.75	176.54	221.75	194.77	164.23	140.66	125.04	320.56	
7	109.53	99.49	89.22	89.18	85.09	138.41	148.78	252.15	280.47	205.00	148.77	148.74	148.77	143.00	138.41	148.77	166.20	189.92	177.44	277.50	277.50	217.54	202.30	148.75	280.47	
8	138.41	101.95	80.00	78.51	92.34	111.98	138.94	183.13	201.19	150.74	131.56	143.16	125.64	132.80	138.41	144.60	145.94	202.31	229.90	267.77	259.04	233.96	205.59	182.25	267.77	
9	148.62	140.00	126.31	117.42	115.00	111.48	119.88	129.85	131.87	134.02	131.01	134.02	126.75	110.00	110.00	125.08	130.10	134.02	134.05	223.73	209.92	138.41	134.05	117.85	223.73	
10	95.75	50.68	61.27	52.27	64.00	60.17	51.65	64.44	56.17	60.04	33.72	30.00	22.08	8.80	5.13	4.05	8.52	91.09	139.90	240.57	260.40	239.54	225.51	80.74	260.40	
11	24.28	21.72	5.97	6.07	24.28	150.19	264.91	299.93	285.03	254.03	214.92	143.16	138.41	134.02	81.80	69.06	134.03	209.95	263.32	330.17	352.61	267.81	247.99	204.40	352.61	
12	192.23	138.41	138.41	138.41	185.55	191.53	229.54	268.78	260.33	228.56	182.51	172.32	150.18	147.63	149.45	152.78	167.37	239.91	247.91	273.36	278.41	211.21	199.27	167.81	278.41	
13	180.35	182.85	150.20	150.20	183.44	212.32	248.74	268.10	273.83	254.25	145.02	121.23	95.90	80.75	64.85	58.49	89.04	138.41	266.20	298.95	301.63	269.03	209.97	138.41	301.63	
14	138.41	134.04	134.02	134.04	146.73	204.46	254.00	272.33	282.11	252.78	216.35	212.54	202.24	195.19	193.64	191.99	194.53	212.80	244.94	271.07	272.31	265.46	253.68	235.40	282.11	
15	214.90	199.06	194.73	191.01	191.92	196.86	205.33	220.91	214.77	189.92	190.62	186.55	160.03	167.65	157.38	151.11	155.01	179.32	196.21	228.35	235.99	208.84	205.09	196.24	235.99	
16	191.16	183.37	178.00	174.21	171.81	179.60	188.98	191.12	189.60	172.62	146.58	121.99	91.92	102.32	99.72	105.04	134.03	132.99	171.19	207.95	228.58	194.47	175.84	166.88	228.58	
17	160.22	134.03	96.84	58.95	43.10	43.06	60.89	91.03	133.55	100.00	75.92	41.29	26.29	4.87	0.45	0.45	15.00	66.20	158.02	182.55	191.54	188.08	171.46	158.07	191.54	
18	95.90	74.47	58.10	62.00	85.25	92.31	95.23	105.00	115.65	105.98	95.96	84.18	109.03	107.00	121.18	121.18	121.18	121.18	121.25	189.84	313.51	331.36	266.17	257.32	225.68	331.36
19	205.00	192.98	191.14	190.95	190.00	230.11	253.81	296.55	295.43	278.56	256.88	253.51	245.42	241.31	224.29	226.22	238.97	235.10	258.97	313.46	329.13	246.65	253.24	237.19	329.13	
20	191.00	189.55	183.10	183.28	183.38	222.21	252.75	295.00	279.14	300.04	263.53	250.75	236.05	230.00	205.07	234.00	238.79	245.86	253.43	290.43	300.65	272.03	255.29	231.03	300.65	
21	188.55	179.92	181.08	178.92	180.50	199.97	237.14	265.96	256.25	232.26	207.93	199.48	205.20	179.23	156.27	178.67	178.15	187.69	245.28	299.37	283.52	220.44	200.01	177.53	299.37	
22	196.38	185.37	187.01	179.41	176.09	189.58	218.07	239.95	244.10	221.05	200.01	203.92	160.10	138.41	124.95	137.64	138.41	160.09	151.70	143.29	143.30	136.99	133.04	49.98	244.10	
23	64.84	43.08	43.07	43.08	64.86	92.65	121.15	145.03	147.22	135.01	145.00	149.96	160.12	160.13	149.96	145.04	149.91	145.00	151.31	208.06	226.52	145.09	160.09	138.41	226.52	
24	108.41	108.79	123.99	115.19	127.99	129.69	134.08	133.79	107.74	101.56	79.98	86.31	76.61	56.89	51.74	77.26	95.00	112.99	165.01	198.65	224.95	216.78	205.73	186.99	224.95	
25	184.96	160.12	160.11	160.11	181.72	200.06	237.23	261.87	272.47	160.12	120.04	73.98	24.27	50.20	82.00	138.41	189.50	209.25	252.71	273.88	275.71	264.93	254.00	235.44	275.71	
26	217.93	210.49	204.59	201.07	206.32	232.95	266.52	290.00	290.00	262.04	235.88	224.28	225.78	212.88	214.19	223.57	232.05	239.93	260.63	281.00	286.76	270.01	255.00	234.90	290.00	
27	206.72	198.01	196.36	194.53	197.51	209.94	244.20	276.57	282.91	252.74	227.69	214.76	207.66	200.62	193.22	190.96	191.35	206.49	239.31	267.90	266.33	254.94	235.33	202.57	282.91	
28	214.63	201.94	198.00	201.37	201.50	218.35	255.00	283.37	279.29	256.25	224.93	213.56	208.00	200.09	197.05	196.30	197.13	217.63	255.00	279.09	284.91	268.91	253.56	222.78	284.91	
29	206.05	203.15	202.52	203.23	205.09	213.86	255.77	280.06	256.08	243.65	214.96	214.96	208.37	197.25	195.24	195.04	153.39	198.18	246.98	262.08	265.87	254.97	241.56	217.91	280.06	
30	204.78	171.71	154.44	149.59	154.45	154.41	194.63	199.05	198.50	154.43	154.42	186.58	154.46	154.43	154.43	159.69	166.65	192.02	226.09	246.97	254.23	247.11	239.09	219.00	254.23	

Average 174.30 EUR/MWh

RO-BG April 2022



Transelectrica®
Societate Administrată în Sistem Dualist

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	-	-	-	-	-	-	-	51.51	46.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.51
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	17.06	11.07	1.05	-	-	-	-	-	-	-	-	-	-	17.06
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
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10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
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15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
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20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
22	-	-	-	-	-	-	-	-	-	-	-	13.92	-	-	-	-	-	-	-	-	-	-	-	-	13.92
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29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average 25.04 EUR/MWh

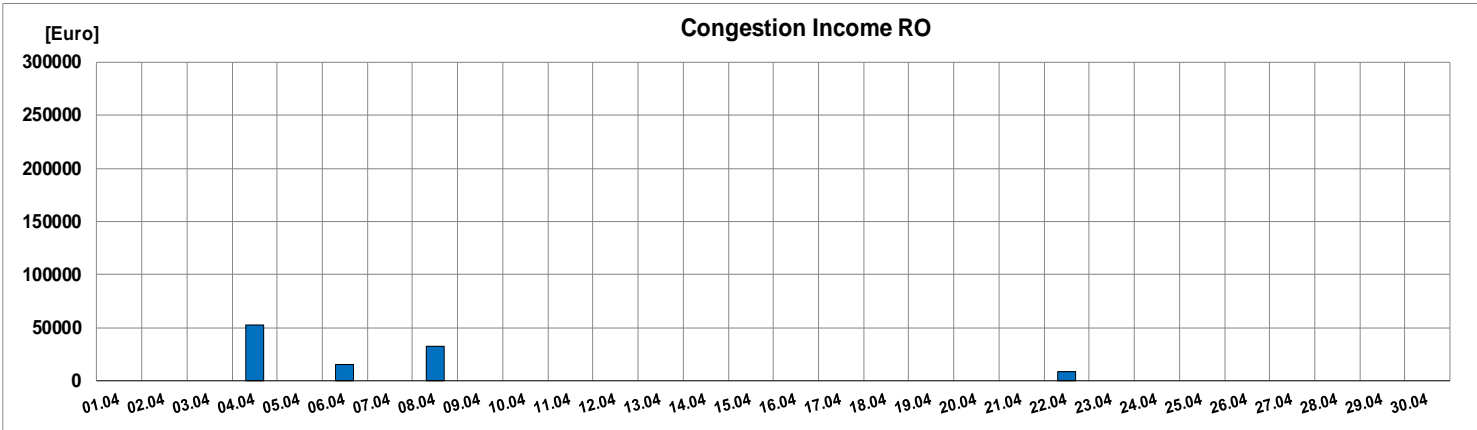
RO-BG April 2022



Transelectrica®
Societate Administrată în Sistem Dualist

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]
01.04	0	0
02.04	0	0
03.04	0	0
04.04	105239	52619
05.04	0	0
06.04	30583	15291
07.04	0	0
08.04	63723	31862
09.04	0	0
10.04	0	0
11.04	0	0
12.04	0	0
13.04	0	0
14.04	0	0
15.04	0	0
16.04	0	0
17.04	0	0
18.04	0	0
19.04	0	0
20.04	0	0
21.04	0	0
22.04	16607	8303
23.04	0	0
24.04	0	0
25.04	0	0
26.04	0	0
27.04	0	0
28.04	0	0
29.04	0	0
30.04	0	0
Total	216151	108076

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
0	216151	0	173999
216151		173999	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
42152	21076

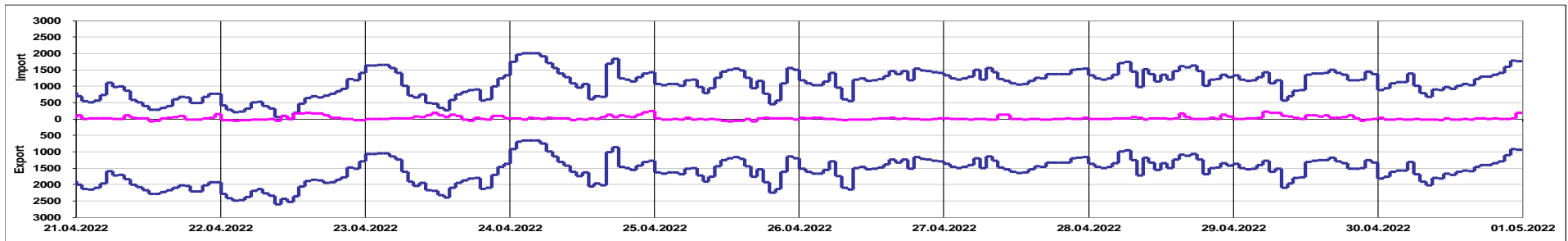
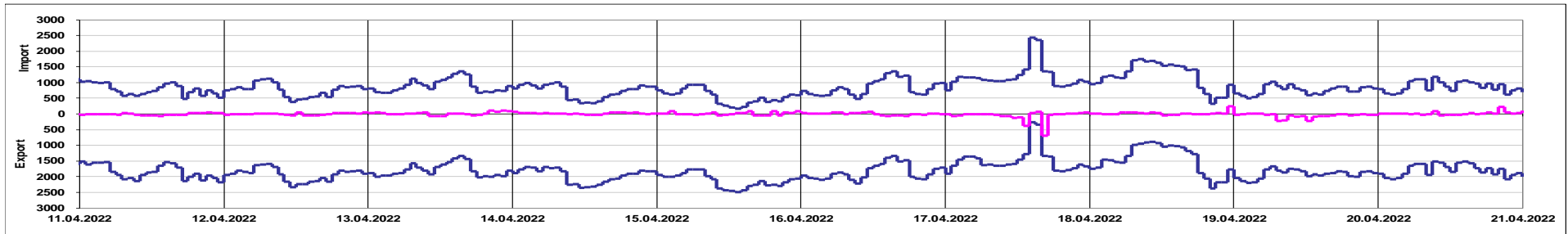
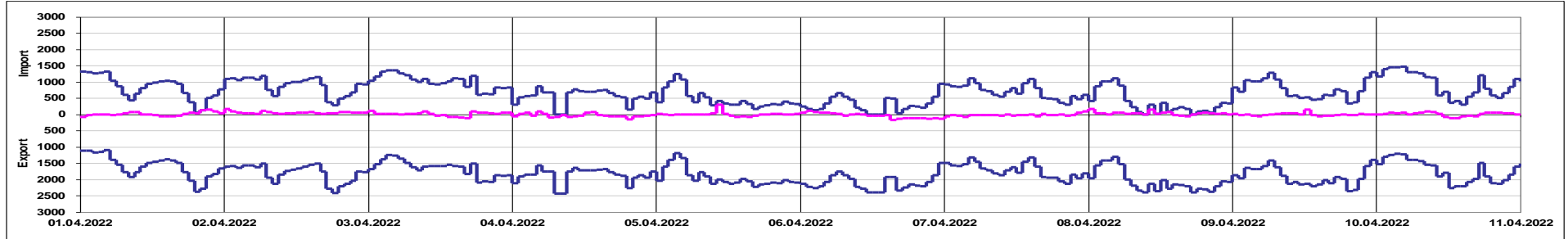


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Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Implicit Auctions on Romanian – Bulgarian border

Bulgaria April 2022



Offered Capacity on Intraday Auction, initial values [MW]

Net Position border RO - BG [MW]

Public

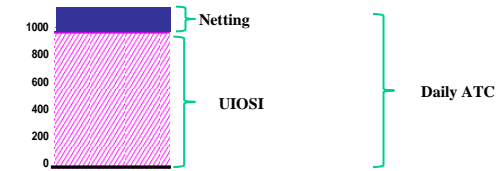


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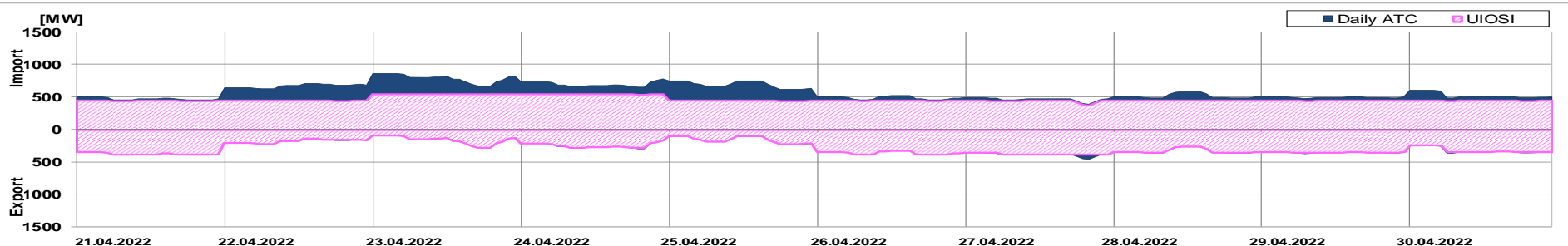
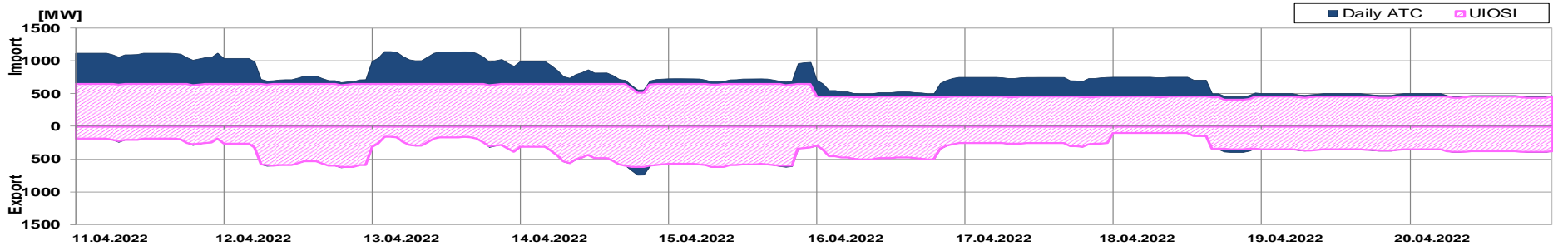
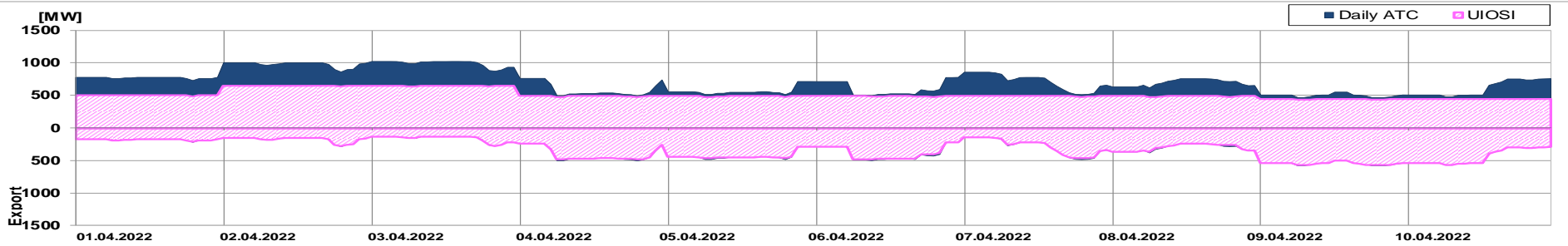
Market for Allocation of Cross-Border Capacities

Daily Explicit Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
325	509



Serbia April 2022

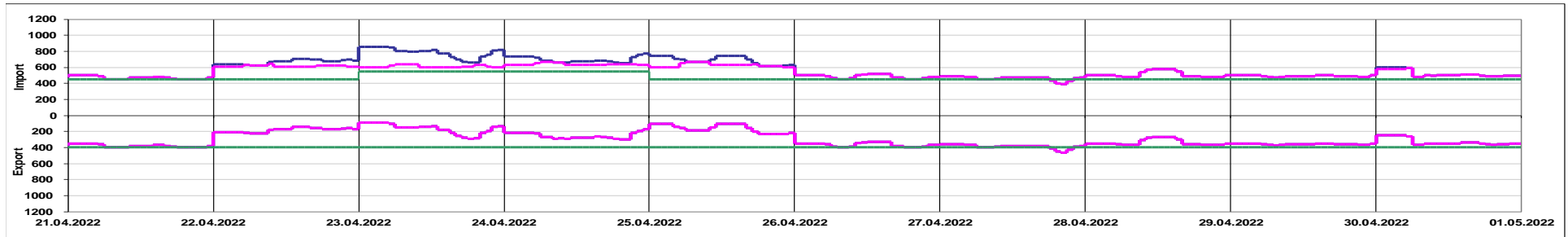
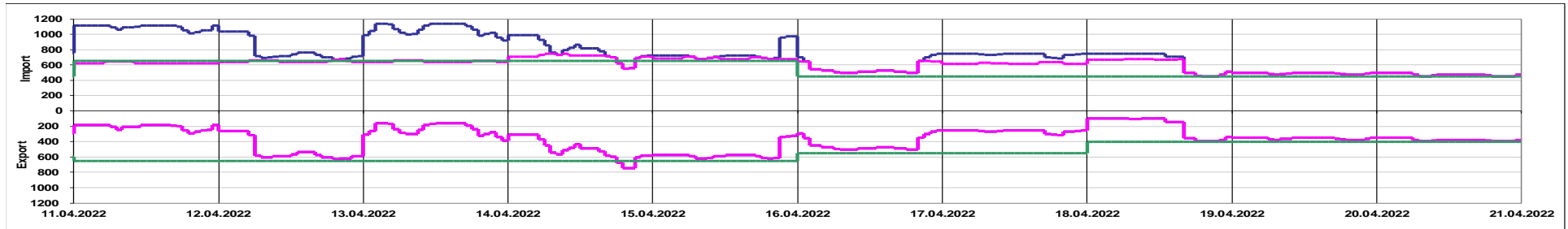
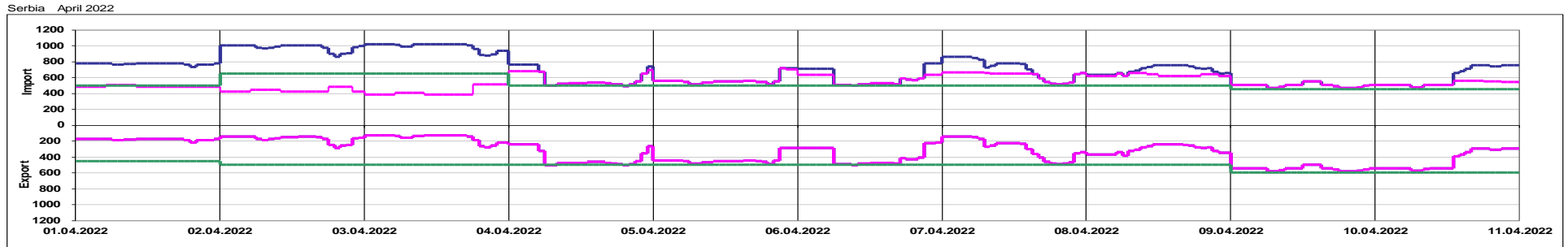




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Societate Administrată în Sistem Dualist

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



Transelectrica®
Societate Administrată în Sistem Dualist

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	87.00	80.00	80.00	78.48	53.54	48.31	53.88	69.69	74.99	69.69	69.69	59.53	74.99	74.99	74.99	70.12	66.40	48.75	20.59	5.00	6.00	12.75	17.00	25.00	87.00	
2	59.32	60.43	60.98	56.23	55.55	42.68	23.35	16.03	27.22	51.35	72.51	87.11	85.50	85.15	85.15	84.53	60.98	20.91	5.50	2.40	5.50	15.20	33.67	57.62	87.11	
3	68.40	70.07	96.17	96.17	76.00	67.18	54.06	48.64	70.40	80.63	96.61	97.60	91.53	82.26	68.00	56.14	61.26	50.56	29.86	2.60	1.11	1.51	1.70	2.10	97.60	
4	3.00	3.00	3.00	1.92	1.82	1.10	0.35	0.35	0.45	0.45	0.45	0.45	0.45	0.51	0.45	0.45	0.41	0.40	0.40	0.18	0.23	0.45	0.48	0.69	3.00	
5	1.09	0.88	0.78	0.78	0.78	0.69	0.43	0.43	0.44	0.44	0.55	0.62	0.77	0.77	0.77	0.77	0.77	0.44	0.44	0.38	0.43	1.66	1.66	1.66	1.66	
6	2.22	1.99	0.75	0.71	0.75	0.57	0.43	0.43	0.43	0.55	0.69	0.69	0.99	1.14	1.12	1.12	0.88	0.55	0.55	0.55	0.55	8.88	14.22	15.04	15.04	
7	18.70	14.87	13.56	11.11	8.88	6.66	4.46	3.33	4.13	10.00	11.48	11.11	9.78	9.56	6.91	4.00	3.00	0.55	0.54	0.46	0.46	0.52	0.55	0.55	18.70	
8	1.00	1.00	1.00	0.98	0.98	0.92	0.92	1.00	1.08	1.72	3.11	5.80	8.48	9.11	13.61	15.00	11.02	13.36	9.22	9.22	9.22	4.00	3.00	2.24	15.00	
9	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.55	0.55	0.75	0.45	0.44	0.22	0.21	0.21	0.21	0.22	0.22	0.27	0.75
10	0.30	0.30	0.30	0.30	0.30	0.47	0.11	0.11	0.15	0.15	0.25	0.23	0.23	1.47	2.46	2.72	2.93	3.21	3.51	3.50	3.50	10.89	11.47	21.00	21.00	
11	59.59	61.40	55.11	54.51	54.44	50.32	28.81	16.53	29.02	38.11	38.11	44.34	41.15	41.15	41.15	31.78	18.29	4.75	0.98	0.98	1.02	1.02	1.02	18.29	61.40	
12	16.69	16.69	16.69	14.63	11.85	4.34	0.57	0.37	0.53	0.75	2.42	2.59	2.69	2.69	2.69	1.92	1.30	0.38	0.13	0.09	0.09	0.09	0.19	0.48	16.69	
13	3.04	4.61	13.51	13.17	6.69	2.56	1.68	1.69	1.60	2.66	4.89	25.06	29.65	42.36	45.94	45.64	39.02	12.00	2.13	1.19	2.00	6.25	4.89	6.00	45.94	
14	26.40	29.08	32.44	32.00	22.05	5.00	1.88	0.33	0.33	0.75	3.12	6.25	5.54	4.19	4.19	1.58	0.48	0.21	0.09	0.05	0.05	0.21	0.31	0.38	32.44	
15	0.32	0.58	0.77	0.79	0.79	0.57	0.19	0.14	0.14	0.16	0.22	0.40	0.40	0.40	0.59	0.51	0.28	0.28	0.38	0.38	0.88	2.23	3.20	3.70	3.70	
16	2.93	2.73	1.50	1.50	0.85	0.44	0.28	0.28	0.28	0.28	0.33	0.59	0.51	0.51	0.51	0.51	0.33	0.33	0.33	0.33	1.25	5.29	5.50	10.94	10.94	
17	70.00	70.00	70.50	70.00	58.27	70.00	49.95	42.53	34.98	27.15	21.70	32.10	22.54	22.54	22.54	17.00	15.00	6.69	4.35	2.20	12.44	42.53	42.53	57.00	70.50	
18	61.33	61.33	61.33	61.50	61.33	61.33	36.15	8.88	8.88	13.24	15.10	15.10	15.10	8.88	8.88	6.28	0.88	0.50	0.40	0.40	0.40	0.56	0.65	1.51	61.50	
19	0.42	0.42	0.42	0.42	0.42	0.42	0.23	0.22	0.23	0.23	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.29	0.29	0.23	0.23	0.35	0.42	0.44	0.44	
20	0.42	0.42	0.42	0.42	0.42	0.42	0.29	0.23	0.23	0.29	0.29	0.34	0.34	0.34	0.34	0.34	0.34	0.29	0.29	0.23	0.23	0.41	0.42	0.45	0.45	
21	0.66	0.66	0.66	0.66	0.66	0.53	0.45	0.45	0.45	0.45	0.54	0.68	0.68	0.68	0.69	0.69	0.68	0.45	0.45	0.45	0.45	0.56	0.68	0.69	0.69	
22	7.25	7.25	7.25	7.25	7.25	7.25	5.33	5.88	6.62	20.15	40.00	40.00	76.67	85.00	85.00	85.00	85.00	85.00	61.33	62.36	62.60	85.00	85.00	65.00	85.00	
23	80.50	80.50	80.50	80.50	80.50	77.00	54.40	36.50	22.64	9.07	23.42	17.41	18.94	12.32	12.32	5.68	3.25	3.25	3.15	2.60	5.12	5.75	7.50	10.92	80.50	
24	4.46	3.69	3.69	3.69	3.69	2.86	1.10	1.10	1.83	1.83	2.13	3.00	3.00	3.00	3.00	3.00	2.69	1.10	1.08	0.88	0.88	1.56	3.56	7.10	7.10	
25	18.14	17.35	13.00	13.00	8.11	6.64	5.55	7.31	8.08	7.91	20.00	45.50	67.00	67.00	67.00	24.40	9.88	2.50	0.26	0.26	0.26	0.28	0.43	0.48	67.00	
26	0.61	0.61	0.61	0.61	0.61	0.44	0.25	0.21	0.21	0.25	0.33	0.60	0.75	0.75	0.75	0.55	0.33	0.26	0.21	0.21	0.21	0.27	0.42	0.42	0.75	
27	0.51	0.51	0.51	0.51	0.49	0.36	0.14	0.14	0.14	0.14	0.17	0.48	0.48	0.48	0.48	0.26	0.26	0.15	0.14	0.11	0.11	0.16	0.31	0.31	0.51	
28	0.71	0.71	0.71	0.71	0.71	0.64	0.35	0.35	0.33	0.37	0.37	0.69	0.69	0.69	0.69	0.69	0.69	0.44	0.35	0.33	0.33	0.44	0.63	0.69	0.71	
29	0.90	0.90	0.90	0.81	0.81	0.59	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.27	0.27	0.55	0.45	0.55	0.55	0.55	0.68	1.12	2.53	2.53	
30	6.00	6.00	7.61	6.77	7.21	5.58	0.51	0.35	0.62	1.20	1.42	1.49	1.95	1.95	2.23	2.00	2.20	1.40	0.33	0.25	0.31	0.33	0.42	0.62	7.61	

Serbia April 2022

Market for Allocation of Cross-Border Capacities

Daily Explicit Auctions on Romanian – Serbian border



Transelectrica®

Societate Administrată în Sistem Dualist

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	0.05	0.56	1.18	1.10	0.51	0.51	0.51	0.51	0.21	0.21	0.21	0.35	1.44	0.69	1.01	0.69	0.69	0.11	0.00	1.44
5	0.15	0.15	0.15	0.15	0.15	0.16	0.44	0.44	0.29	0.29	0.16	0.16	0.16	0.16	0.16	0.15	0.22	0.23	0.44	0.66	0.44	0.05	0.00	0.00	0.66
6	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.88	0.70	0.53	0.20	0.18	0.15	0.15	0.15	0.16	0.18	0.09	0.18	0.18	0.09	0.00	0.00	0.00	0.88
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	0.01	0.05	0.42	0.80	0.80	0.80	0.27	0.05	0.02	0.80
8	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05
9	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.09	0.09	0.09	0.09	0.05	0.05	0.05	0.09	0.09	0.15	0.22	0.22	0.15	0.14	0.09	0.09	0.22
10	0.01	0.01	0.05	0.05	0.05	0.01	0.05	0.05	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	0.05
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	0.05	0.05	0.00	0.00	0.00	0.05
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	0.04	0.05	0.56	1.32	1.32	0.10	0.00	0.00	1.32
15	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.53	0.53	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.00	0.00	0.00	0.00	0.53
16	0.00	0.00	0.08	0.08	0.09	0.12	0.32	0.56	0.56	0.75	0.41	0.10	0.10	0.10	0.09	0.10	0.34	0.67	0.75	0.75	0.00	0.00	0.00	0.00	0.75
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	0.27	1.00	5.12	8.53	10.00	3.33	0.48	0.13	10.00
19	0.25	0.25	0.25	0.25	0.25	0.28	0.50	6.00	6.00	5.51	3.16	0.56	0.56	0.56	0.56	0.56	0.72	2.00	5.51	6.00	7.86	1.92	0.56	0.56	7.86
20	0.22	0.22	0.22	0.22	0.22	0.37	1.20	2.00	2.10	1.20	0.88	0.75	0.75	0.75	0.75	0.75	0.72	1.20	1.69	2.10	3.01	1.20	0.67	0.61	3.01
21	0.13	0.13	0.13	0.13	0.13	0.22	0.69	0.88	0.88	0.88	0.65	0.61	0.61	0.61	0.61	0.61	0.56	0.69	0.88	0.88	0.88	0.66	0.40	0.25	0.88
22	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
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	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
25	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
26	0.28	0.28	0.28	0.28	0.28	0.28	0.51	0.91	0.91	0.89	0.51	0.51	0.51	0.69	0.69	2.02	1.93	1.77	2.89	2.40	2.80	1.97	1.23	1.16	2.89
27	0.27	0.27	0.27	0.27	0.38	1.77	3.30	3.69	3.65	1.46	0.27	0.27	0.27	0.27	0.27	0.53	0.62	0.68	1.66	3.33	3.88	1.10	0.49	0.43	3.88
28	0.11	0.11	0.11	0.11	0.11	0.11	0.13	0.32	0.32	0.11	0.08	0.08	0.08	0.08	0.07	0.08	0.09	0.09	0.11	0.28	0.28	0.11	0.11	0.11	0.32
29	0.09	0.09	0.09	0.09	0.09	0.12	0.30	0.52	0.52	0.19	0.16	0.33	0.30	0.30	0.26	0.09	0.07	0.08	0.09	0.11	0.14	0.14	0.10	0.09	0.52
30	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.11	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.07	0.07	0.09	0.12	0.12	0.14	0.13	0.08	0.07	0.14

Serbia

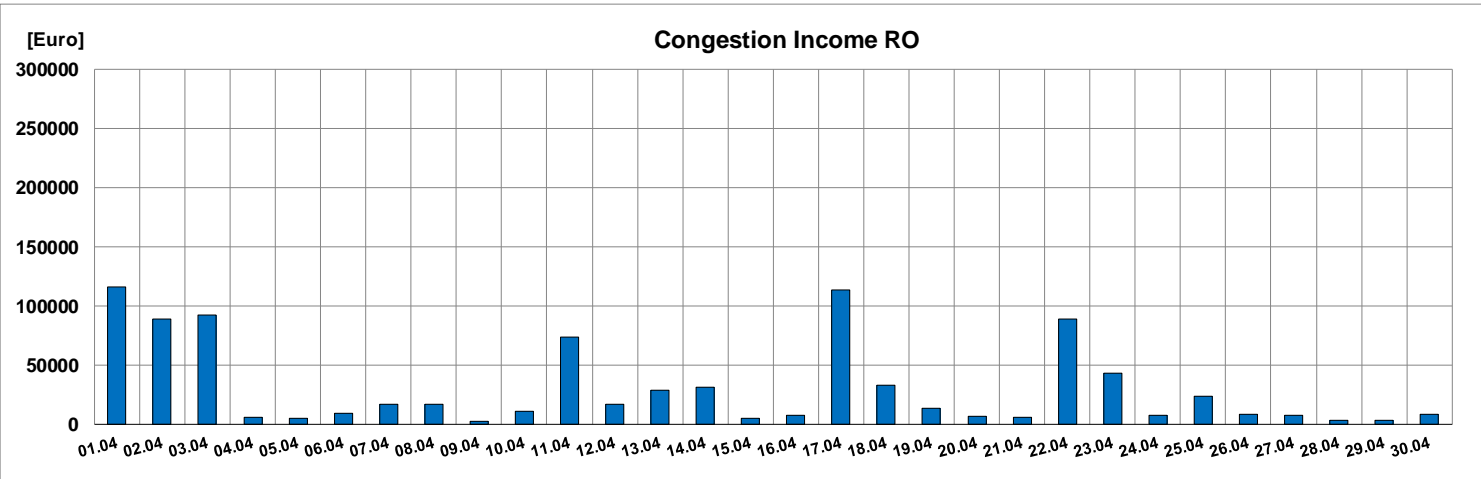
April 2022



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Explicit Allocation on Romanian – Serbian border



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.04	232243	116121
02.04	177528	88764
03.04	184656	92328
04.04	12267	6134
05.04	10401	5200
06.04	17834	8917
07.04	33065	16533
08.04	34294	17147
09.04	4977	2488
10.04	22238	11119
11.04	147143	73571
12.04	32951	16476
13.04	57802	28901
14.04	62320	31160
15.04	9418	4709
16.04	15709	7854
17.04	226965	113482
18.04	66745	33372
19.04	27297	13648
20.04	14100	7050
21.04	11342	5671
22.04	177675	88838
23.04	85676	42838
24.04	15354	7677
25.04	48046	24023
26.04	16041	8021
27.04	15773	7887
28.04	6034	3017
29.04	7254	3627
30.04	17532	8766
Total	1790678	895339

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
1685977	104701	1676242	97100
1790678		1773342	

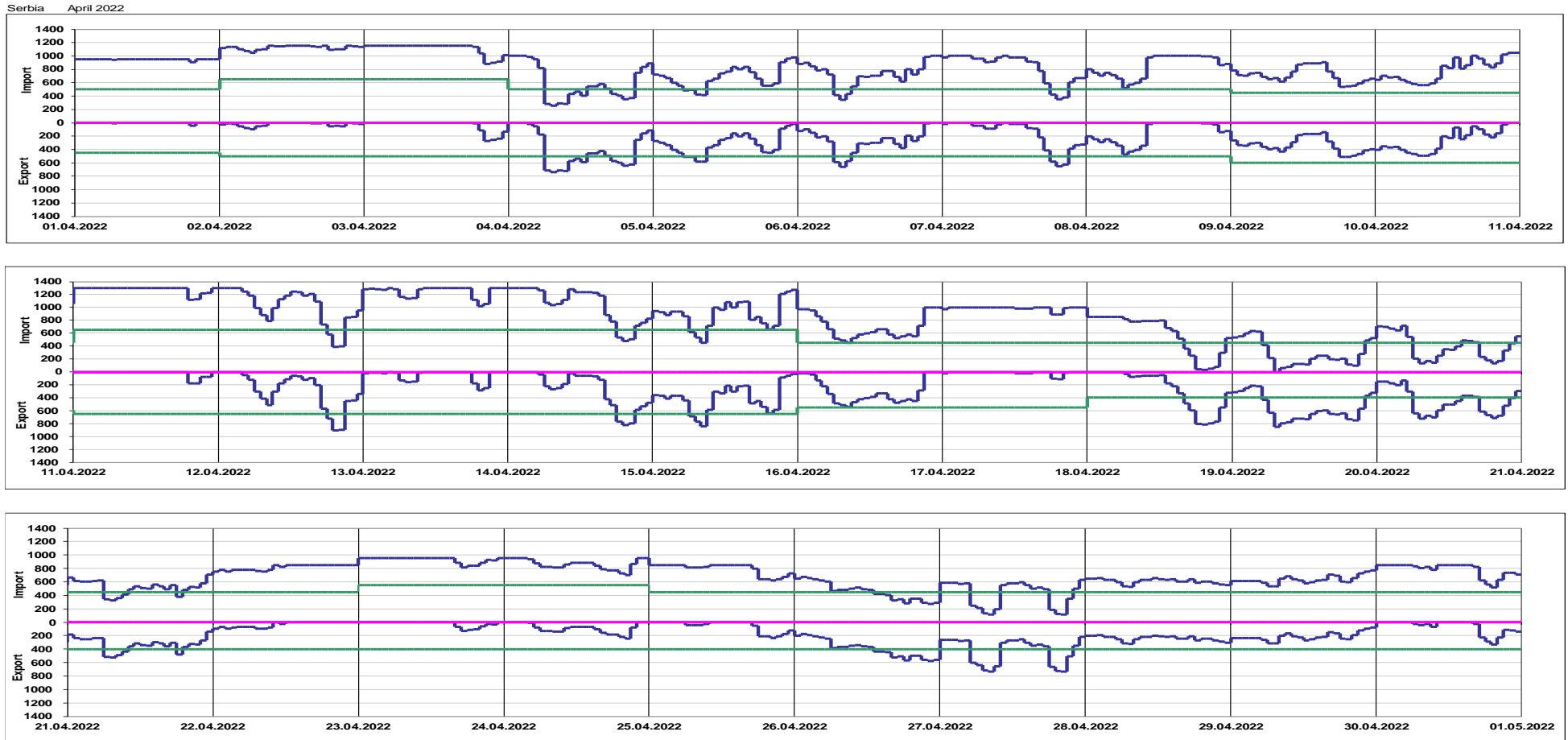
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
17336	8668



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Explicit Auctions on Romanian – Serbian border



Offered Capacity on Intraday Auction [MW]

Allocated Capacity on Intraday Auction [MW]

Net Transfer Capacity (NTC) [MW]

Public



Transelectrica®
Societate Administrată în Sistem Dualist

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
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-	-	-	-	0.00	0.00	-	0.00	0.00	0.00	-	0.00	0.00	0.00
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
7	0.00	-	-	-	-	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
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
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
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
14	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
17	0.00	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	-	-	-	0.00
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
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
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
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	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

Serbia April 2022

Market for Allocation of Cross-Border Capacities



Transelectrica[®]
Societate Administrată în Sistem Dualist

Monthly Auctions Bids Statistics

April 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
Hungary export	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	
	Number of Capacity Holders	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
	Number of Bids	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	
Hungary import	Number of Capacity Traders	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
	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	
	Number of Bids	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	
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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	Number of Bids	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	
Bulgaria import	Number of Capacity Traders	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
	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	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	
Serbia export	Number of Capacity Traders	15	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	10	10	10	10	10	10	10	10	10	12	12	12	12	11	11	7	7	7	7	7	7	7	7	7	7	7	7	7	
	Number of Bids	89	85	85	85	85	85	85	85	83	83	85	85	85	85	84	84	85	85	85	85	85	85	85	85	85	85	85	85	85	
Serbia import	Number of Capacity Traders	11	11	11	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Capacity Holders	7	9	9	9	9	9	9	9	9	9	11	11	11	11	11	6	6	6	6	6	6	6	6	8	8	5	5	5	5	
	Number of Bids	68	67	67	68	68	68	68	68	67	67	68	68	68	68	68	66	66	66	66	66	66	66	67	67	66	66	66	66	66	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

April 2022	Maximum	Minimum
Number of Capacity Traders	41	11
Number of Capacity Holders	19	5
Number of Bids	320	66

Market for Allocation of Cross-Border Capacities



Daily Explicit Auctions Bids Statistics

April 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
Serbia Export	Maximum Number of Capacity Traders	9	10	9	7	9	11	10	9	8	9	9	10	9	9	8	10	9	9	8	8	8	10	10	8	10	9	9	7	9	7
	Maximum Number of Capacity Holders	7	7	6	7	7	8	7	8	8	8	7	9	8	8	8	9	8	9	7	7	7	6	7	7	7	8	8	6	8	7
	Maximum Number of Bids	45	47	48	37	42	49	48	43	42	44	40	48	48	49	45	47	48	45	36	38	43	55	52	47	47	41	41	40	44	40
Serbia Import	Maximum Number of Capacity Traders	7	7	6	8	7	9	9	8	7	8	7	8	7	8	8	8	7	7	8	8	8	7	8	6	6	11	8	6	7	6
	Maximum Number of Capacity Holders	7	7	6	8	7	9	9	8	7	8	7	8	7	8	8	8	7	7	8	8	7	7	8	6	6	9	7	6	7	6
	Maximum Number of Bids	31	30	31	36	35	36	38	34	31	33	32	36	35	37	38	34	31	35	38	40	34	32	33	30	30	45	46	37	35	38

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



Intraday Explicit Auctions Bids Statistics

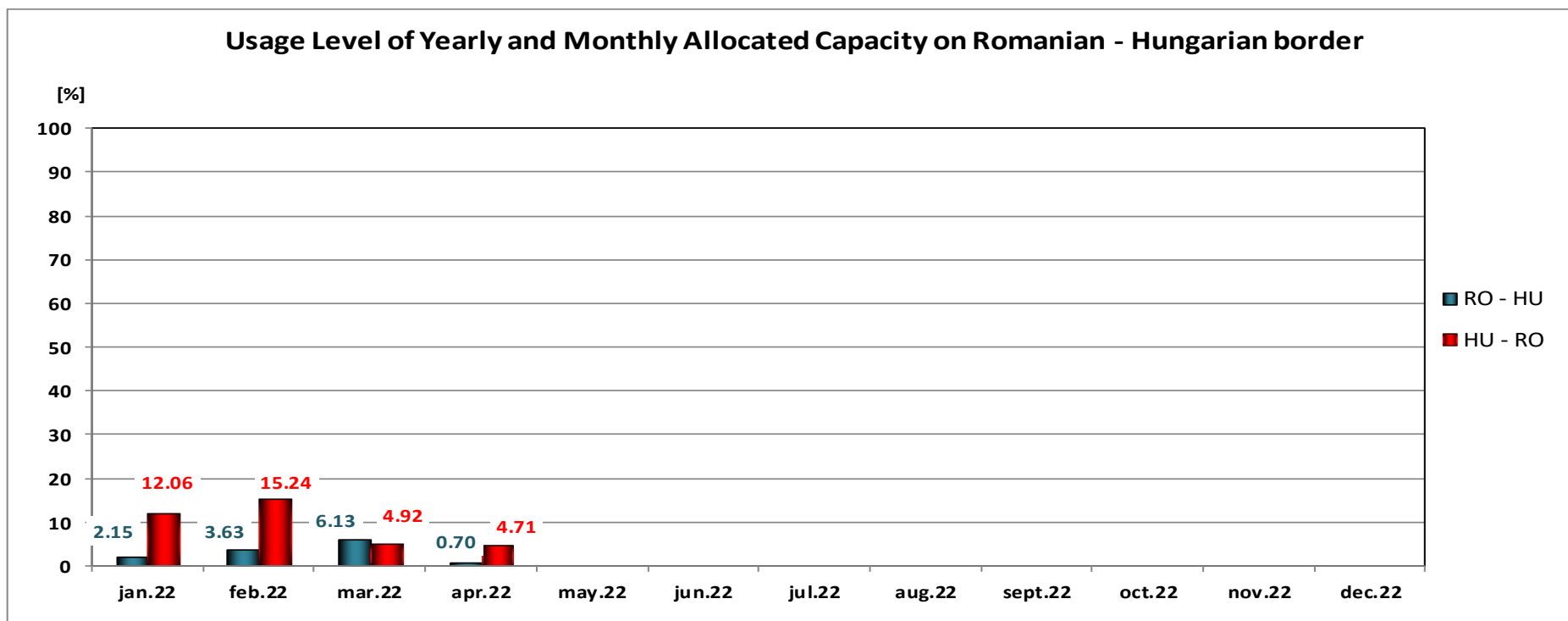
April 2022		Intraday Auctions																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Serbia Export	Maximum Number of Capacity Traders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Maximum Number of Capacity Holders	-	-	-	-	-	-	-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

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

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity

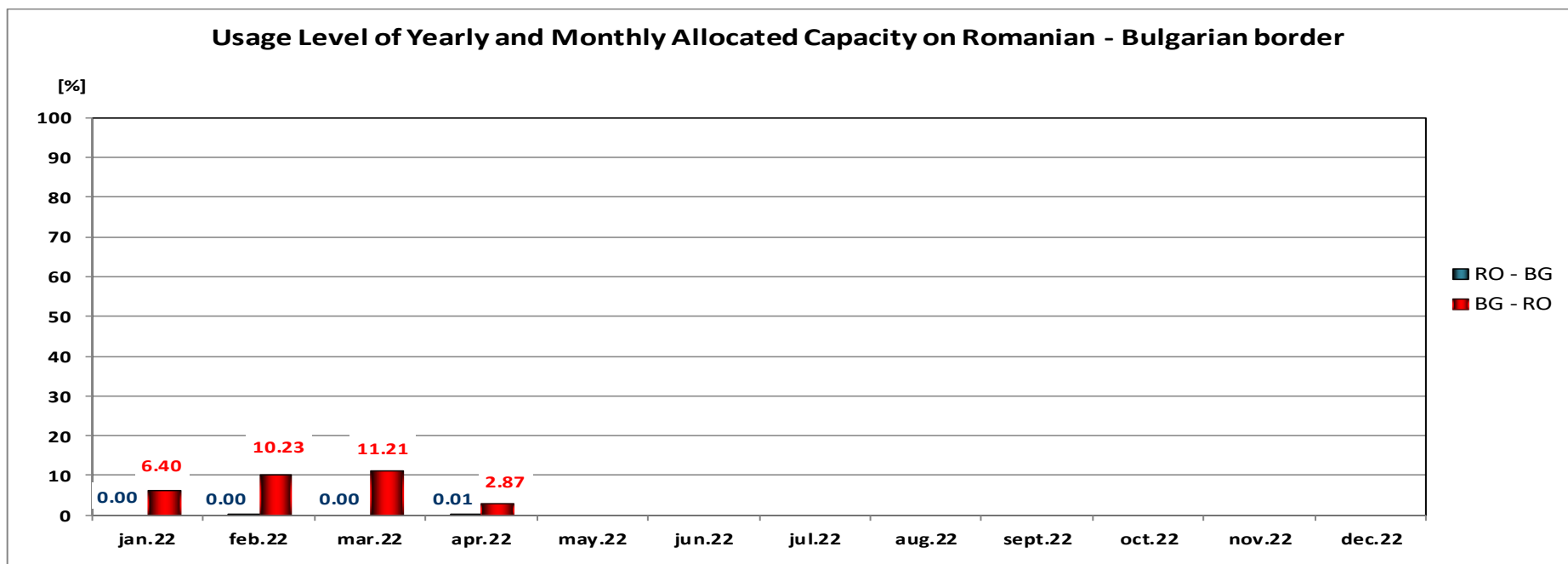
CET



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

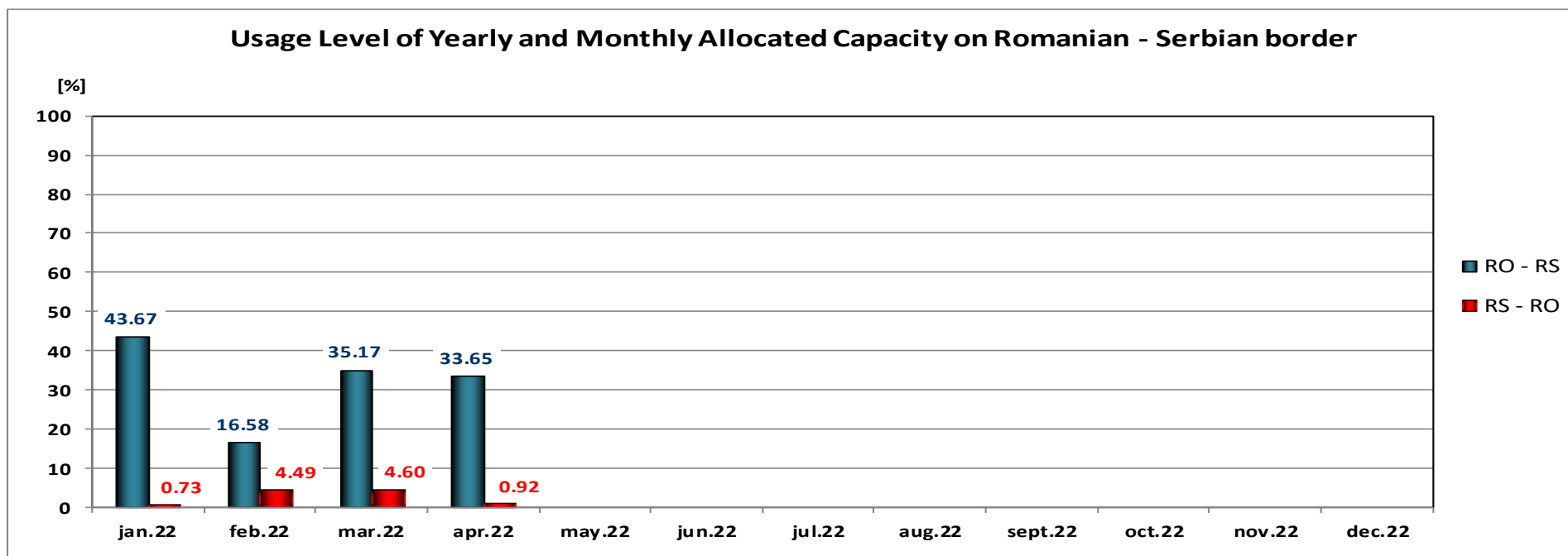
From the beginning of the year, the average values (arithmetic) of usage level are: 3.15% on export direction and 9.23% on import direction.

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.

From the beginning of the year, the average values (arithmetic) of usage level are: 0% on export direction and 7.68% 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.

From the beginning of the year, the average values (arithmetic) of usage level are: 32.27% on export direction and 2.68% on import direction.



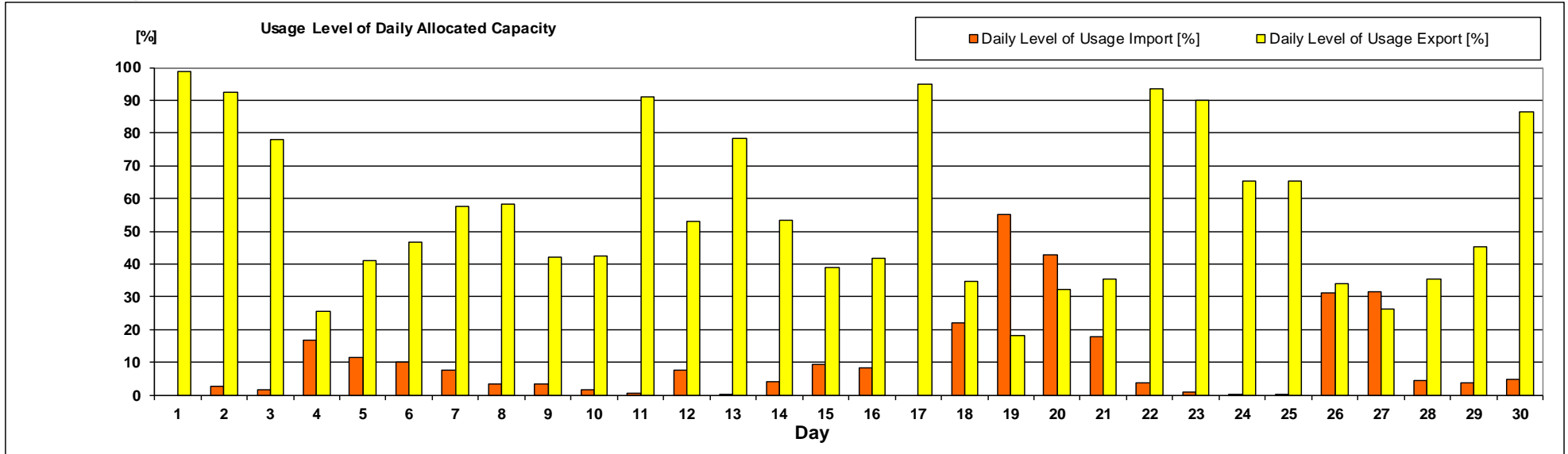
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Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity

Serbia April 2022



Daily Level of Usage [%]

April 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
Import	0.00	2.67	1.73	16.86	11.42	10.15	7.71	3.39	3.44	1.47	0.40	7.64	0.32	4.00	9.24	8.16	0.00	22.00	55.11	42.67	17.86	3.72	0.93	0.29	0.15	31.16	31.42	4.31	3.87	4.74
Export	98.82	92.55	77.97	25.41	41.12	46.82	57.44	58.15	42.10	42.53	90.96	52.97	78.47	53.25	39.02	41.79	95.00	34.79	18.16	32.24	35.24	93.56	89.84	65.35	65.27	33.85	26.31	35.25	45.36	86.53

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 9.55 [%]
- Export 50.74 [%]



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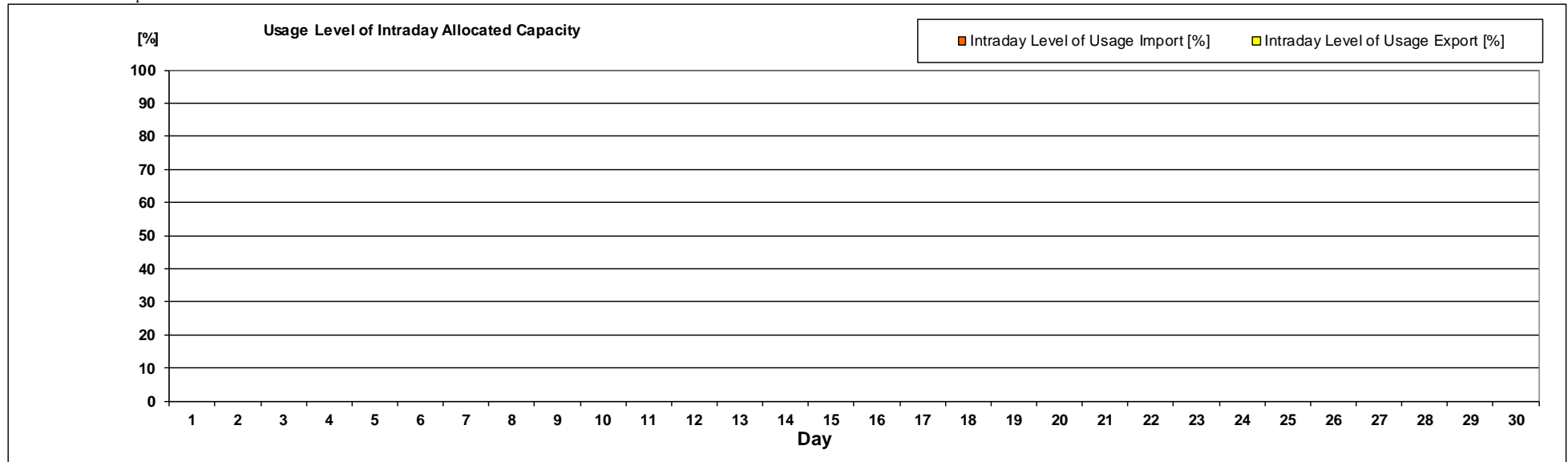
Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Serbian border

Usage Level of Intraday Allocated Capacity

Serbia

April 2022



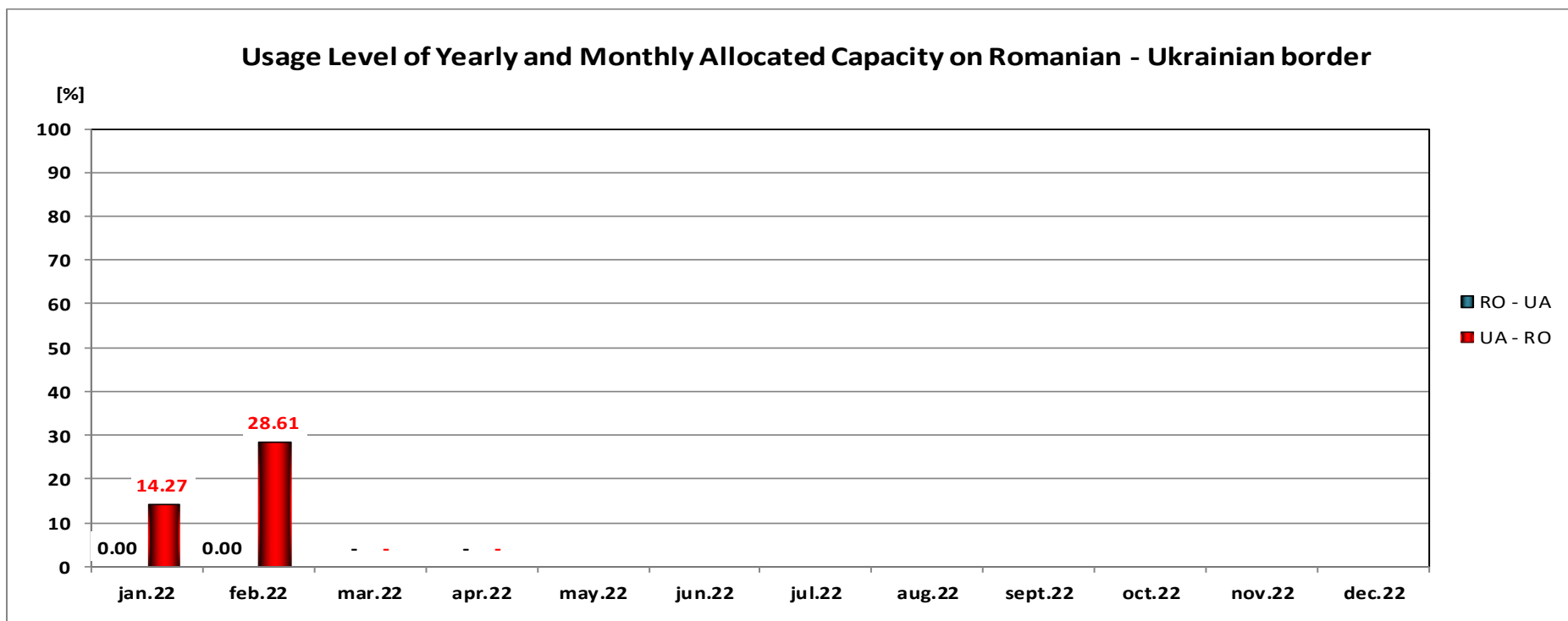
Intraday Level of Usage [%]

April 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
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 - [%] (no requested 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% on export direction and 21.44% on import direction.

Note: Due to the conflict situation in Ukraine the allocated capacity rights were canceled for March and no auctions were organized for April.

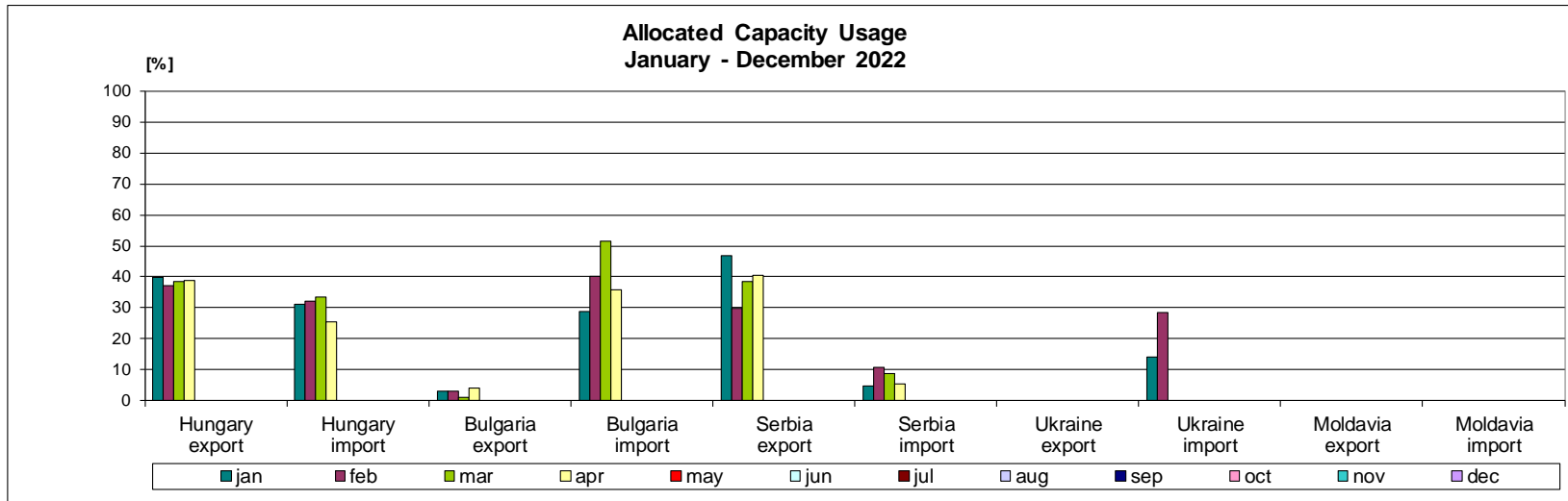
Market for Allocation of Cross-Border Capacities



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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	37.21	32.04	3.08	40.31	29.92	10.93	0.00	28.61	-	-
mar	38.47	33.60	1.21	51.47	38.34	8.64	-	-	-	-
apr	38.96	25.35	3.97	35.75	40.53	5.42	-	-	-	-
may										
jun										
jul										
aug										
sep										
oct										
nov										
dec										
average	38.63	30.50	2.84	39.10	38.91	7.46	0.00	21.44	-	-

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

Note: Due to the conflict situation in Ukraine the allocated capacity rights were canceled for March and no auctions were organized for April.

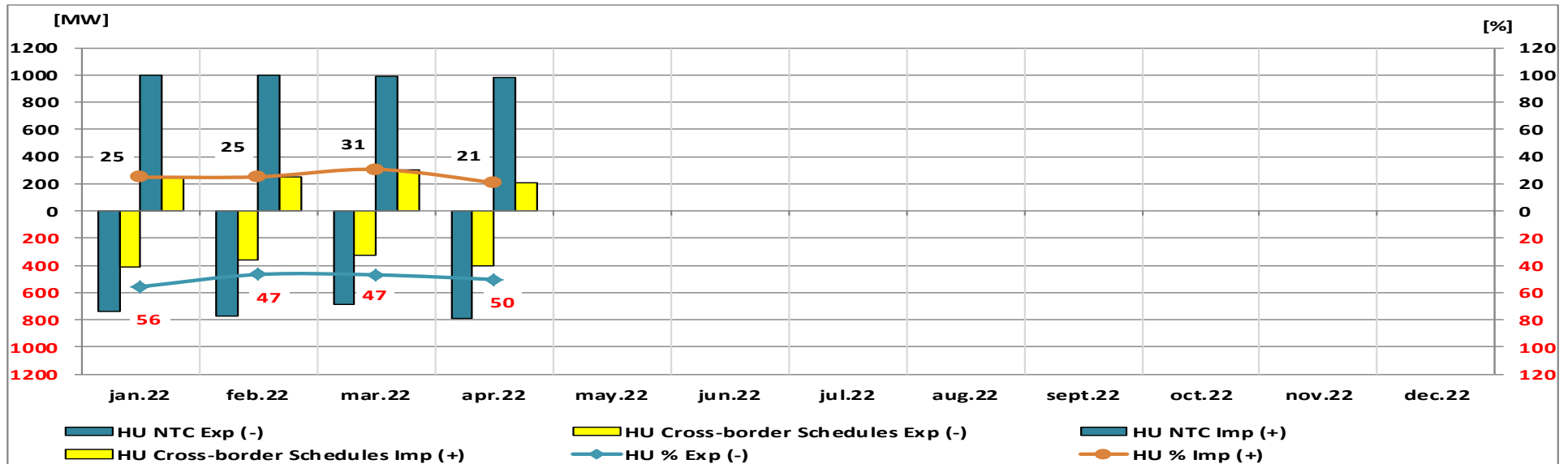


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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Hungarian border

CET



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	-771	-688	-794									-2989
HU Cross-border Schedules Exp (-)	-409	-360	-323	-399									-1491
HU NTC Imp (+)	1000	1000	988	982									3970
HU Cross-border Schedules Imp (+)	249	252	303	204									1008

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: 49.87% on export direction and 25.37% on import direction.

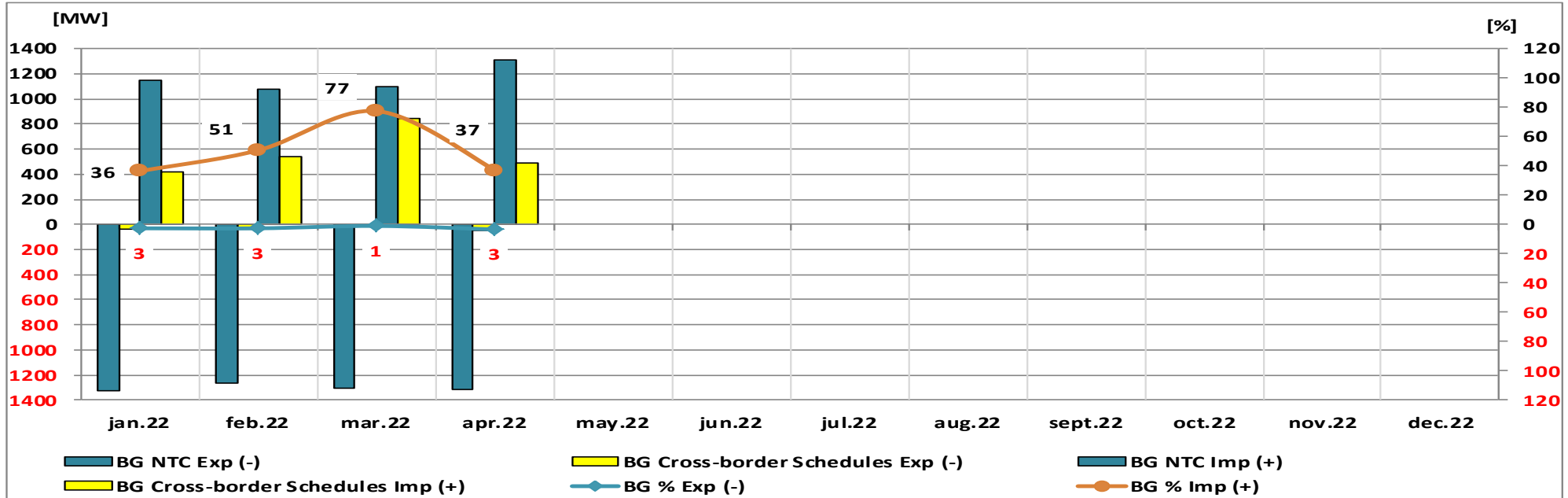


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Market for Allocation of Cross-Border Capacities

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	-1265	-1306	-1316									-5211
BG Cross-border Schedules Exp (-)	-35	-34	-13	-45									-128
BG NTC Imp (+)	1149	1076	1094	1310									4629
BG Cross-border Schedules Imp (+)	418	546	848	486									2298

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: 2.45% on export direction and 50.42% on import direction.

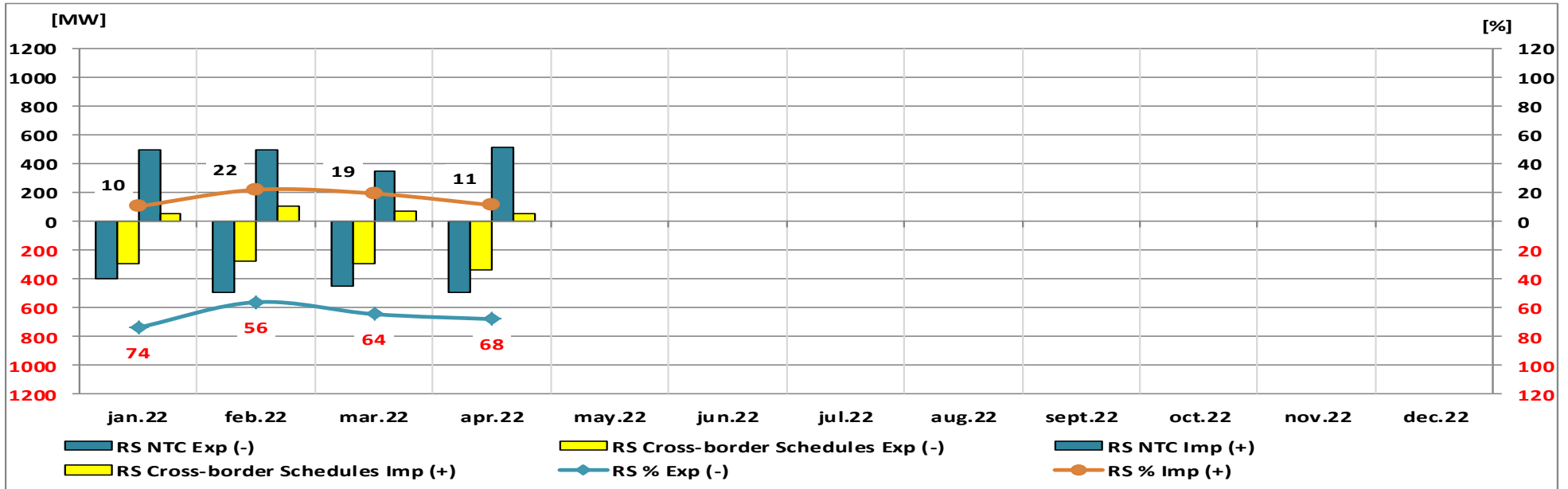


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Market for Allocation of Cross-Border Capacities

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	-496	-451	-490									-1837
RS Cross-border Schedules Exp (-)	-295	-278	-290	-332									-1196
RS NTC Imp (+)	500	500	352	513									1865
RS Cross-border Schedules Imp (+)	52	110	69	58									290

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: 65.5% on export direction and 15.85% on import direction.

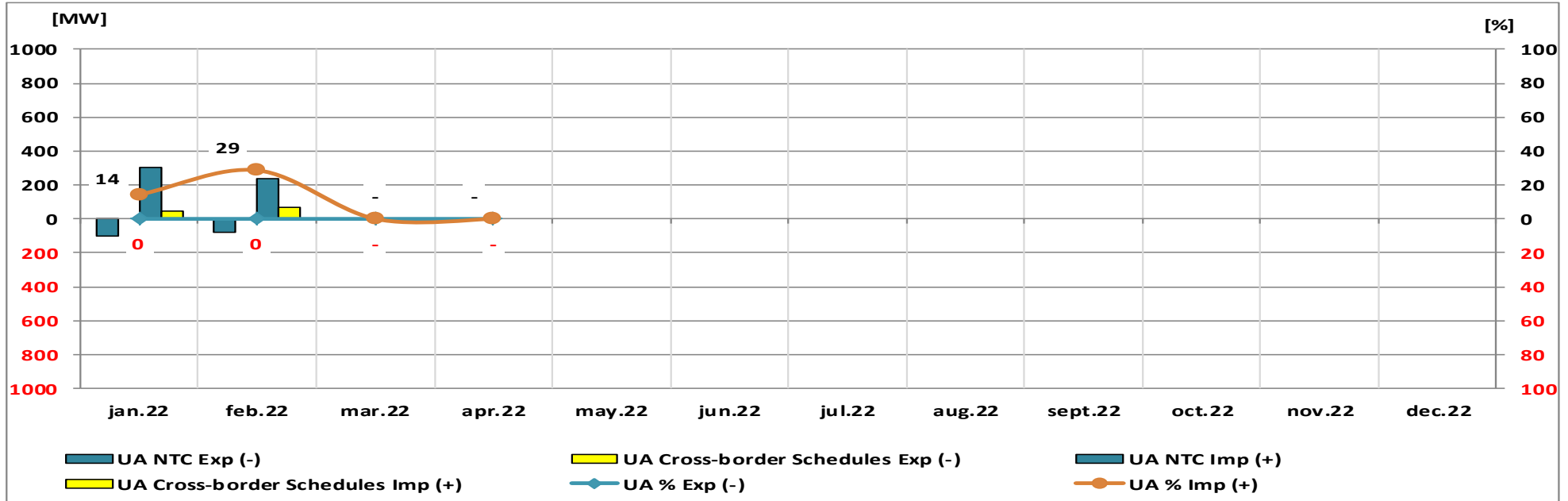


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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Ukrainian border

CET



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	-79	-	-									-179
UA Cross-border Schedules Exp (-)	0	0	-	-									0
UA NTC Imp (+)	300	236	-	-									536
UA Cross-border Schedules Imp (+)	43	67	-	-									110

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% on export direction and 21.44% on import direction.

Due to the conflict situation in Ukraine the allocated capacity rights were canceled for March and no auctions were organized for April.



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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	115	169	197								
Hungary import	17	25	52	15								
Bulgaria export	0	0	0	0								
Bulgaria import	0	0	0	0								
Serbia export	40	41	33	42								
Serbia import	9	4	37	4								

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

April.22

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
Hungary import	28.57	52.86	1414	26.32	49.21	1223	-	-	-	-	-	-	13.70	39.45	787
Hungary export	14.29	40.00	992	28.57	49.29	1280	-	-	-	-	-	-	12.70	32.54	677
Bulgaria import	40.00	69.00	2178	20.00	48.75	1120	-	-	-	-	-	-	28.33	48.89	1281
Bulgaria export	20.00	41.00	935	43.00	74.67	2430	-	-	-	-	-	-	28.00	57.55	1367
Serbia import	35.20	85.20	2720	27.70	72.86	2026	26.96	58.44	1686	-	-	-	14.53	43.10	1091
Serbia export	44.40	78.00	2733	25.13	53.46	1370	27.61	60.41	1627	-	-	-	20.90	44.58	1058
Ukraine import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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