



**Transelectrica®**  
Societate Administrată în Sistem Dualist

---

# **MARKET MONITORING REPORT**

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

**May 2021**

---



- 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)**

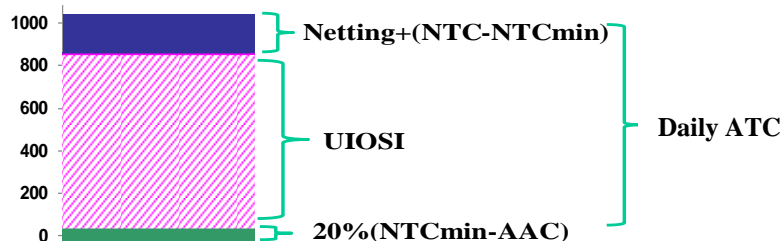
# General Remarks



Transelectrica®

Societate Administrată în Sistem Dualist

- According to the agreements between Transelectrica and neighbors for year 2021 :
  - ✓ on the Bulgarian border, the bilateral coordinated allocation is done for 100% of total capacity by Transelectrica for daily auctions. Starting with 20.11.2019, implicit intraday allocation with continuous trading is organized on the Bulgarian border, due to 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; the “netting” is applied to daily and intraday allocation.
  - ✓ on the Hungarian border, starting with 20.11.2019 implicit intraday allocations are held with continuous trading, due to the integration of Romanian intraday market in SIDC (Single Intra-Day Market). Starting with the delivery day 11.02.2021 the 15-minute cross-border product with continuous intraday trading was launched on RO-HU border, in cooperation with the Hungarian parties, MAVIR and HUPX. In the event of decoupling, no explicit intraday auctions are organized on RO – HU border. Implicit daily allocations are held since the CZ-SK-HU-RO day-ahead market coupling. In the event of decoupling, MAVIR is in charge with the explicit daily auctions (shadow auctions) for RO-HU border. The “netting” is applied to daily and intraday allocation.
  - ✓ on the Serbian border, the bilateral coordinated allocation, is done for 100% of total capacity by EMS (Serbia) for daily auctions and by Transelectrica for long term and intraday auctions. The “netting” is applied to daily and intraday allocation. 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 long term auctions on Hungarian and Bulgarian borders are held by Joint Allocation Office (JAO) based on Allocation Rules for Forward Capacity Allocation (HAR) and border specific Annex. On these borders it is applied:
    - ✓ reservation of a percentage of interconnection capacity for short term auction, offered capacity being calculated as 80% of the minimum of available capacities of all periods of the month;



- Transelectrica’s auctions are held on Damas platform, with euro currency trading;
- On Romania – Bulgaria, Romania – Serbia and Romania – Hungary border, the use of the physical transport rights is performed in accordance with the m:n nomination principle, for all time horizons.



- Long term auction results on the Hungarian and Bulgarian borders are provide by JAO and daily auction results on the Serbian border (auction prices, allocated capacities) are provided by the respective TSO.
- Usage of allocated capacity on Ukrainian and Moldavian border is restricted by Ukrainian TSO agreement and respectively by the approval of the distribution operator of the passive consumption islands.
- Monthly auctions for May 2021 were held as:
  - ✓ import/export Hungary and import/export Bulgaria: 01 – 31.05.2021;
  - ✓ import Serbia: 01 – 17.05.2021; 18 – 31.05.2021;
  - ✓ export Serbia: 01 – 27.05.2021; 28 – 31.05.2021;
  - ✓ import/export Ukraine: 01 – 09.05.2021; 15 – 31.05.2021;
- In May 2021 there were no auctions held on Moldavian border. Between 10 – 14.05.2021, the 400 kV OHL Rosiori – Mukacevo was out of operation for planned maintenance program, so transfer capacity was not available on the Ukrainian border.



Transelectrica®

Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Monthly auction Results of 01 – 31 May 2021

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
<b>Hungary export (RO-HU)</b> <b>01 - 31 May 2021</b>	0.38	800	700	350	350	0	280	2714	280	630
<b>Hungary import (HU-RO)</b> <b>01 - 31 May 2021</b>	0.56	800	700	351	349	0	280	2787	280	629
<b>Bulgaria export (RO-BG)</b> <b>01 - 31 May 2021</b>	0.17	1100	1000	602	398	0	480	3407	478	876
<b>Bulgaria import (BG-RO)</b> <b>01 - 31 May 2021</b>	0.21	1100	1000	601	399	0	480	3276	479	878
<b>Serbia export (RO-RS)</b> <b>01 - 27 May 2021</b>	0.11	700	600	350	250	-	350	854	350	600
<b>28 - 31 May 2021</b>	0.23	400	300	50	250	-	50	269	50	300
<b>Serbia import (RS-RO)</b> <b>01 - 17 May 2021</b>	0.18	700	600	350	250	-	350	914	350	600
<b>18 - 31 May 2021</b>	0.37	400	300	50	250	-	50	323	50	300
<b>Ukraine export (RO-UA)</b> <b>01 - 09 May 2021</b>	0.03	300	200	100	100	-	100	185	100	200
<b>10 - 14 May 2021</b>	-	0	0	-	-	-	-	-	-	-
<b>15 - 31 May 2021</b>	0.07	300	200	100	100	-	100	185	100	200
<b>Ukraine import (UA-RO)</b> <b>01 - 09 May 2021</b>	0.11	400	300	200	100	-	200	370	200	300
<b>10 - 14 May 2021</b>	-	0	0	-	-	-	-	-	-	-
<b>15 - 31 May 2021</b>	0.06	400	300	200	100	-	200	380	200	300
<b>Moldavia export (RO - MD)</b> <b>01 - 31 May 2021</b>	-	-	-	-	-	-	-	-	-	-
<b>Moldavia import (MD - RO)</b> <b>01 - 31 May 2021</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Vulcanesti</b> <b>01 - 31 May 2021</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Costesti</b> <b>01 - 31 May 2021</b>	-	-	-	-	-	-	-	-	-	-
<b>RO_Cioara</b>	-	-	-	-	-	-	-	-	-	-

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.

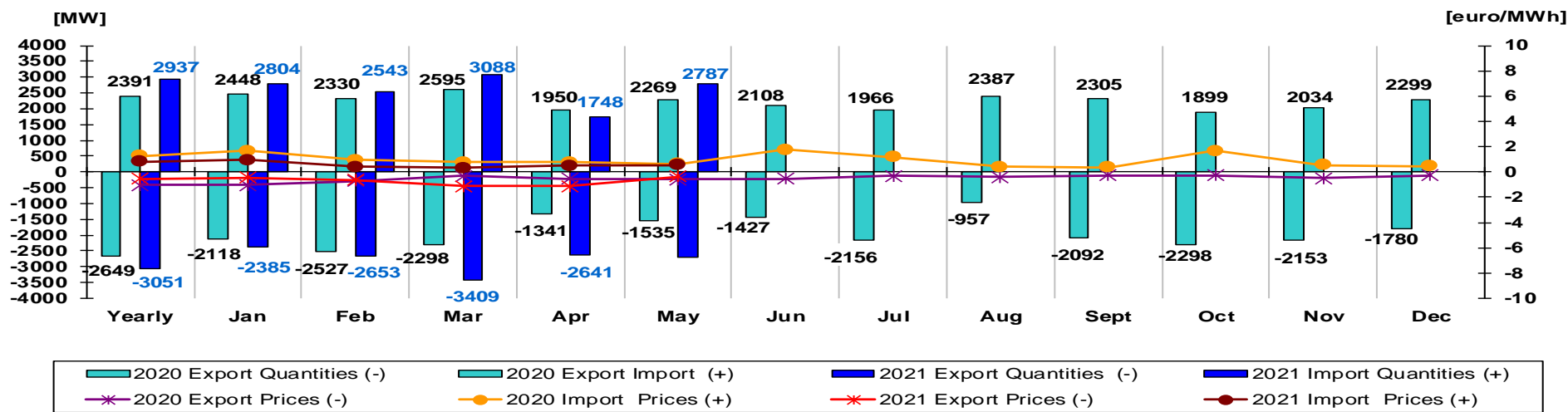
# Market for Allocation of Cross-Border Capacities



Transelectrica®

Societate Administrată în Sistem Dualist

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



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	0.55	0.46	0.63	1.11	1.11	0.38							
Hungary import	0.83	0.93	0.42	0.34	0.48	0.56							

Border	Yearly	Jan. 20	Feb.20	Mar.20	Apr.20	May 20	Jun. 20	Jul. 20	Aug. 20	Sept. 20	Oct. 20	Nov.20	Dec. 20
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 2021 the auction price decreased on export direction, while offered capacity and requested capacity were higher. On import direction, monthly auction price decreased compared with similar period of previous year, while offered capacity and requested capacity were higher.

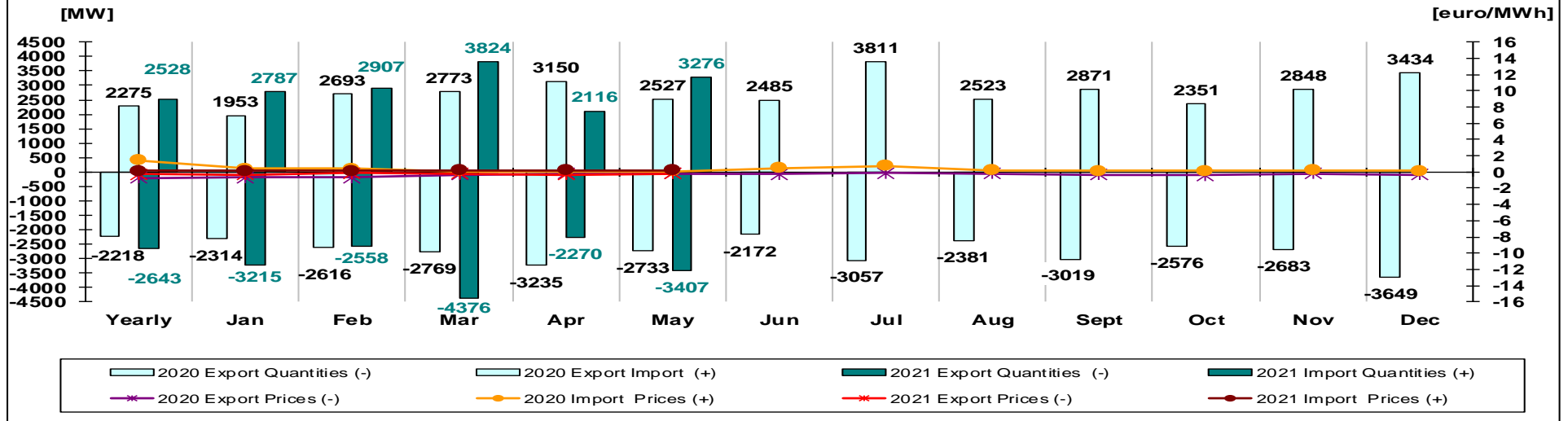


Transelectrica®

Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

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



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	0.28	0.34	0.14	0.19	0.35	0.17							
Bulgaria import	0.15	0.15	0.14	0.24	0.20	0.21							

Border	Yearly	Jan. 20	Feb.20	Mar.20	Apr.20	May 20	Jun. 20	Jul. 20	Aug. 20	Sept. 20	Oct. 20	Nov.20	Dec. 20
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 May 2021 the auction price slightly decreased on export direction, while offered capacity was lower and requested capacity was higher. On import direction, monthly auction price increased compared with similar period of previous year, while offered capacity was lower and requested capacity was higher.

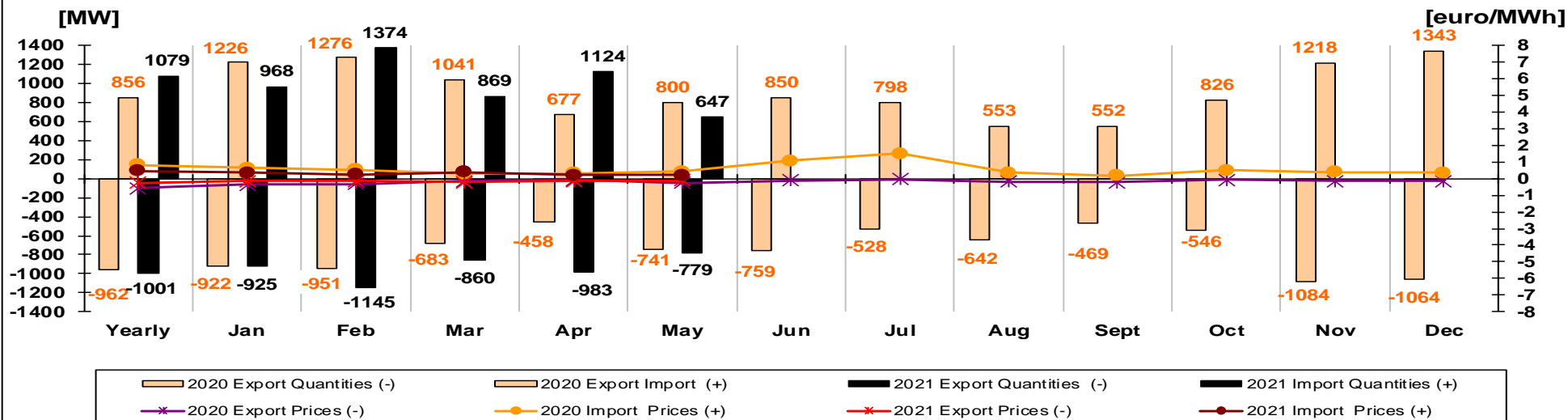


# Market for Allocation of Cross-Border Capacities



**Transelectrica®**  
Societate Administrată în Sistem Dualist

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



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	0.27	0.13	0.13	0.23	0.15	0.11							
Serbia import	0.47	0.35	0.26	0.41	0.23	0.20							

Border	Yearly	Jan. 20	Feb.20	Mar.20	Apr.20	May 20	Jun. 20	Jul. 20	Aug. 20	Sept. 20	Oct. 20	Nov.20	Dec. 20
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 May 2021 the auction price decreased on export direction, while offered capacity and requested capacity were higher. On import direction monthly auction price decreased, while offered capacity and requested capacity were lower.

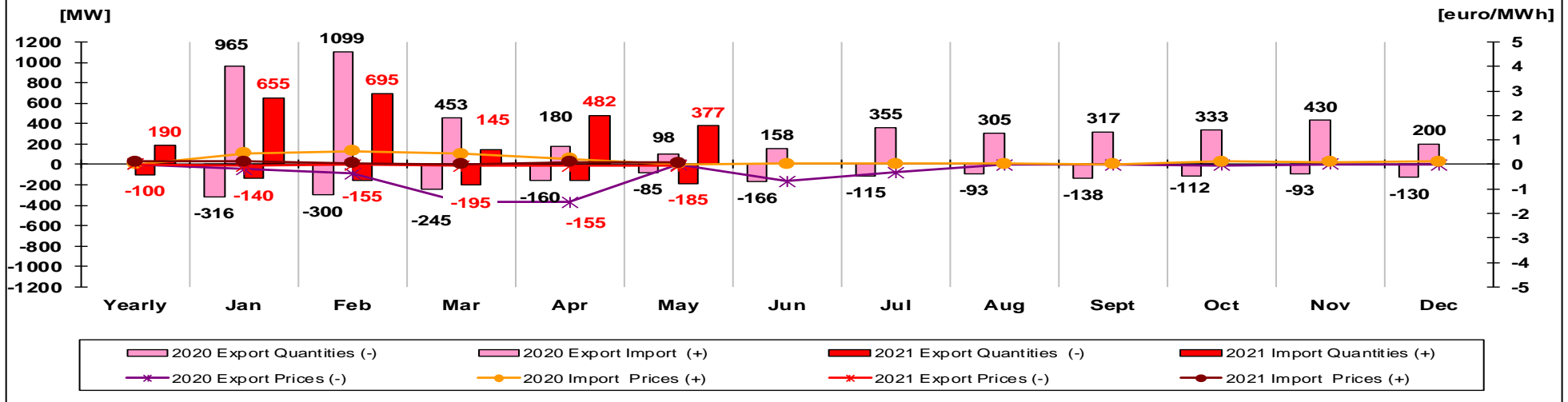
# Market for Allocation of Cross-Border Capacities



Transelectrica®

Societate Administrată în Sistem Dualist

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



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	0.00	0.05	0.01	0.07	0.06	0.06							
Ukraine import	0.11	0.12	0.05	0.00	0.09	0.08							

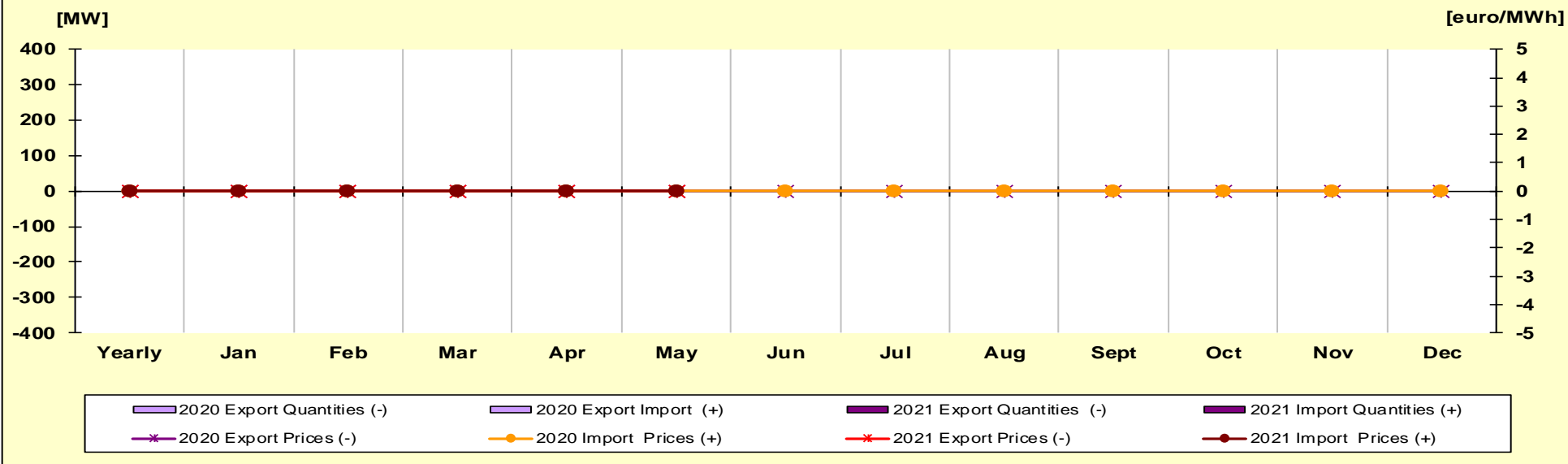
Border	Yearly	Jan. 20	Feb.20	Mar.20	Apr.20	May 20	Jun. 20	Jul. 20	Aug. 20	Sept. 20	Oct. 20	Nov.20	Dec. 20
Ukraine export	-	0.20	0.37	1.55	1.55	0.02	0.69	0.32	0.01	0.02	0.04	0.00	0.02
Ukraine import	-	0.45	0.55	0.44	0.23	0.02	0.03	0.02	0.02	0.02	0.12	0.09	0.11

- Compared with previous year, in May 2021 the auction price slightly increased, but maintained to the low values on import direction, while offered capacity and requested capacity were higher. On export direction monthly auction price increased, 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 Moldavian border**



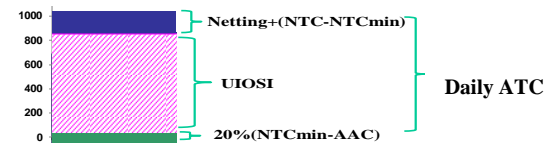
Border	Yearly	Jan. 21	Feb.21	Mar.21	Apr.21	May 21	Jun. 21	Jul. 21	Aug. 21	Sept. 21	Oct. 21	Nov.21	Dec. 21
Moldavia export	-	-	-	-	-	-							
Moldavia import	-	-	-	-	-	-							

Border	Yearly	Jan. 20	Feb.20	Mar.20	Apr.20	May 20	Jun. 20	Jul. 20	Aug. 20	Sept. 20	Oct. 20	Nov.20	Dec. 20
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

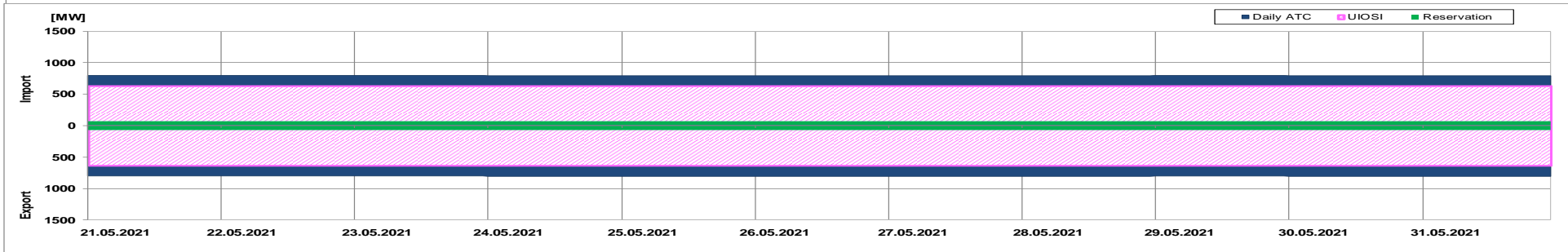
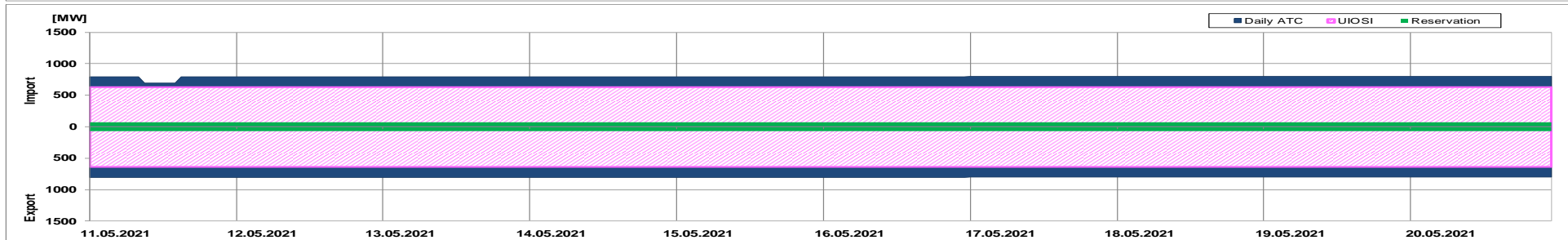
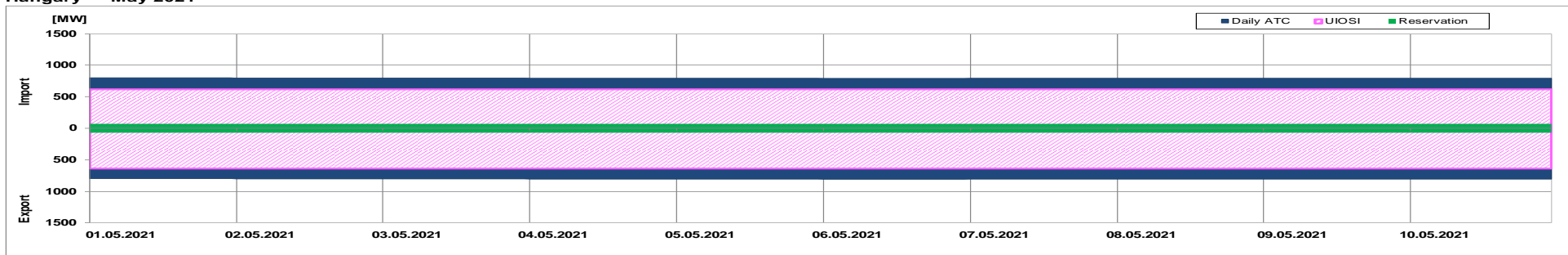
# Market for Allocation of Cross-Border Capacities

## 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	71	629	624



Hungary May 2021



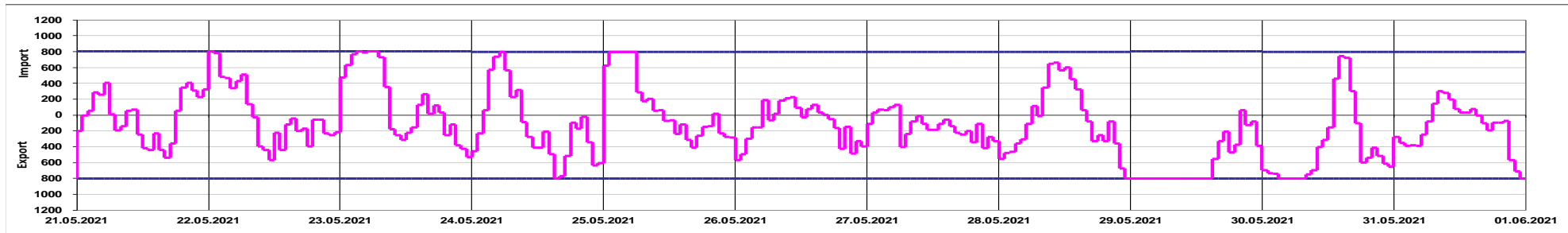
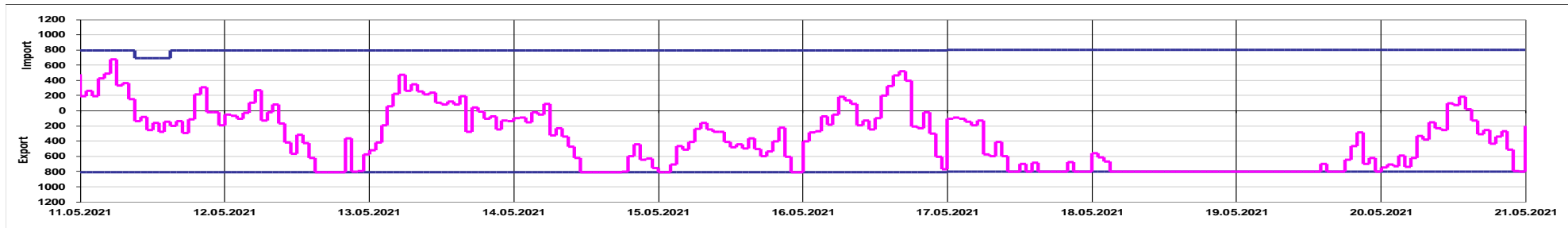
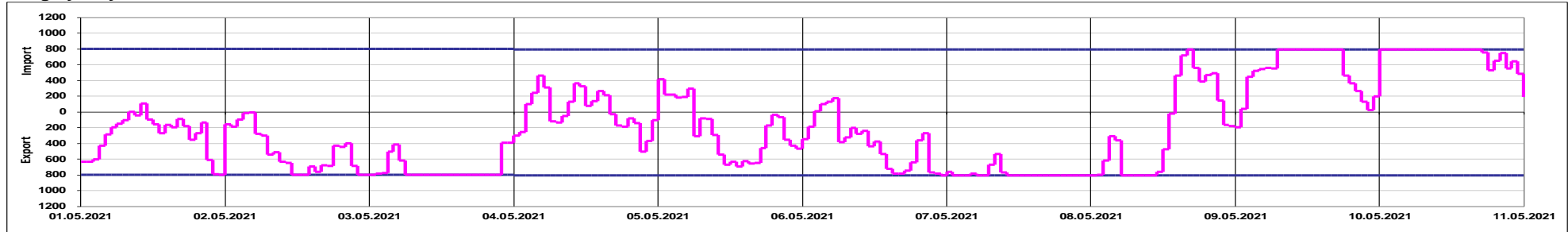


Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian border

Hungary May 2021



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public

# Market for Allocation of Cross-Border Capacities

## Daily implicit Auctions on Romanian – Hungarian 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	67.10	64.45	63.13	59.90	59.00	58.29	58.90	60.40	59.69	61.00	56.39	56.40	54.00	51.00	47.15	45.60	48.18	53.45	60.39	67.50	73.11	69.53	65.29	58.28	<b>73.11</b>
2	58.00	54.10	51.73	50.29	49.30	48.35	46.28	46.50	46.76	45.54	44.42	35.99	25.03	12.76	8.83	8.64	14.20	35.22	48.70	58.37	65.81	63.65	58.09	54.42	<b>65.81</b>
3	52.79	49.56	48.70	48.58	48.70	53.73	44.47	48.00	46.50	42.81	42.00	43.00	36.14	30.03	31.44	38.00	42.44	49.53	58.28	73.40	76.78	67.75	66.81	56.80	<b>76.78</b>
4	45.90	36.51	24.67	19.66	22.00	39.90	58.28	63.00	63.08	56.65	51.80	50.00	51.35	47.38	41.01	42.76	48.45	56.99	58.28	64.78	69.40	57.73	53.00	45.50	<b>69.40</b>
5	32.75	36.14	34.74	36.14	41.00	48.92	65.52	71.08	70.00	65.06	60.42	56.00	55.30	53.00	51.10	52.80	58.32	58.56	60.00	66.02	73.87	68.50	65.37	58.16	<b>73.87</b>
6	54.24	50.73	49.55	50.01	51.69	57.01	65.63	75.13	76.91	67.01	59.39	58.16	56.66	55.69	55.18	57.62	61.55	68.88	80.01	90.87	93.29	81.60	78.68	69.00	<b>93.29</b>
7	69.90	64.77	60.00	60.30	62.36	64.77	74.69	89.64	90.25	79.71	65.65	60.28	59.02	52.76	49.74	48.52	43.65	46.14	54.41	64.03	74.38	68.01	67.42	59.00	<b>90.25</b>
8	64.39	64.88	62.85	60.43	58.88	56.37	54.79	55.18	53.92	49.99	46.99	47.40	44.90	40.53	32.58	32.55	40.39	48.51	55.72	64.43	71.36	64.79	57.63	48.00	<b>71.36</b>
9	26.94	14.10	4.91	3.09	3.02	2.77	3.00	4.00	9.74	9.74	9.74	9.74	1.98	4.72	9.74	17.66	30.57	49.77	60.91	80.03	64.00	57.85	41.03	<b>80.03</b>	
10	50.99	48.52	48.99	48.38	51.37	60.29	66.79	83.61	83.36	70.93	64.76	56.43	61.10	56.43	58.26	54.61	56.43	62.42	72.99	83.18	90.00	83.70	78.00	70.19	<b>90.00</b>
11	68.62	62.97	62.43	60.49	60.81	64.67	76.15	86.72	89.00	80.19	74.91	72.06	68.12	65.10	62.84	64.00	66.61	71.50	78.00	86.00	88.74	81.00	75.81	66.77	<b>89.00</b>
12	64.50	60.51	58.36	57.22	57.90	62.08	74.17	83.05	88.01	80.92	74.43	72.02	69.00	64.50	60.89	59.64	58.07	59.57	66.79	77.49	81.41	76.23	72.00	64.89	<b>88.01</b>
13	60.90	55.63	53.11	52.53	52.01	52.44	56.98	63.92	66.94	62.72	57.00	54.80	55.03	53.00	52.48	53.18	62.72	55.01	60.15	66.90	74.36	71.00	67.99	62.00	<b>74.36</b>
14	64.67	62.50	58.69	58.00	59.10	62.65	72.50	81.00	82.97	77.64	71.80	68.98	64.75	55.86	54.60	54.60	59.01	65.00	75.65	83.39	87.50	83.32	79.66	72.71	<b>87.50</b>
15	70.01	66.78	64.17	62.39	62.72	62.72	63.16	66.84	68.65	66.20	61.80	60.18	57.40	53.84	51.98	51.14	54.60	58.74	68.13	76.83	80.30	78.10	69.56	62.76	<b>80.30</b>
16	56.04	49.70	45.44	43.27	42.70	41.47	39.50	41.50	41.78	42.02	41.00	41.01	38.00	24.91	14.53	18.00	26.80	41.21	60.16	70.90	77.89	75.55	72.99	63.22	<b>77.89</b>
17	58.23	53.01	51.99	53.23	54.62	59.70	77.42	88.75	93.27	85.81	77.15	74.00	73.21	66.80	62.74	61.00	62.53	65.01	69.44	85.00	94.88	79.91	70.04	53.00	<b>94.88</b>
18	68.61	62.01	59.00	56.85	55.40	62.74	62.74	68.02	68.50	57.00	55.05	51.98	51.98	46.49	40.40	40.20	46.49	54.05	66.80	77.10	85.01	62.74	56.65	44.46	<b>85.01</b>
19	43.81	40.60	40.40	40.60	46.49	56.85	77.15	93.98	81.21	75.00	76.13	77.01	74.52	70.00	66.20	65.17	66.43	71.93	82.10	91.00	94.86	88.50	85.00	74.61	<b>94.86</b>
20	70.03	64.03	60.90	59.57	60.68	67.50	80.01	95.80	98.50	87.16	79.71	75.35	69.07	64.02	60.99	60.41	60.79	65.60	75.00	83.78	85.88	81.65	76.00	66.78	<b>98.50</b>
21	52.46	45.19	38.00	32.70	31.04	39.00	57.87	67.18	67.27	55.93	49.50	53.02	56.81	50.34	46.44	54.00	61.99	66.00	64.51	71.21	75.53	67.18	61.22	48.74	<b>75.53</b>
22	38.36	34.10	39.94	40.03	40.03	30.00	40.03	54.70	65.02	71.70	65.19	74.22	60.49	60.10	53.99	52.95	56.01	57.10	64.92	60.02	66.80	64.91	54.90	40.19	<b>74.22</b>
23	39.77	31.37	26.18	30.00	29.07	29.84	20.55	21.94	34.99	47.01	47.06	47.07	50.34	39.78	30.00	29.49	36.33	34.81	40.93	58.52	66.57	68.28	61.81	49.02	<b>68.28</b>
24	37.70	28.50	20.23	14.40	15.00	33.63	42.42	66.78	67.18	61.95	48.09	50.00	54.70	47.10	53.02	63.21	69.97	69.81	65.49	79.00	79.22	74.10	70.00	58.12	<b>79.22</b>
25	54.91	50.54	47.62	46.60	48.71	54.81	72.70	81.00	85.00	77.08	73.30	70.98	70.80	69.60	65.60	65.06	67.63	65.51	75.07	80.00	82.90	75.50	73.00	62.72	<b>85.00</b>
26	61.50	54.55	52.11	51.01	51.33	56.66	73.08	83.95	86.04	77.71	70.08	69.83	67.71	61.88	58.58	61.00	61.51	65.20	72.75	80.03	82.19	77.73	75.76	67.00	<b>86.04</b>
27	56.82	52.80	52.00	51.22	51.91	58.73	76.29	85.00	87.92	80.50	75.06	74.29	70.10	67.12	65.01	66.00	67.76	72.50	81.14	87.82	92.75	87.68	84.51	76.30	<b>92.75</b>
28	71.10	66.02	63.17	61.94	62.44	68.50	82.00	92.11	95.00	87.37	81.65	80.74	76.09	69.36	64.75	64.44	65.41	72.11	79.20	86.20	91.44	85.94	82.06	68.26	<b>95.00</b>
29	64.89	60.41	54.52	54.52	50.45	54.25	42.51	43.53	42.51	38.79	38.00	36.21	37.70	40.48	36.21	37.00	41.72	49.82	60.57	70.20	75.00	73.20	69.93	63.10	<b>75.00</b>
30	57.50	52.12	48.30	46.55	45.01	42.00	40.46	40.46	40.00	35.86	28.47	24.50	22.57	9.76	9.76	9.76	16.32	38.04	56.91	67.41	75.00	73.84	71.90	62.90	<b>75.00</b>
31	59.89	54.91	52.95	52.46	53.13	60.63	77.80	89.59	86.79	78.01	68.44	65.09	61.46	56.60	53.75	54.32	56.80	66.00	80.00	86.00	87.54	83.54	79.34	55.91	<b>89.59</b>

Average **58.74 EUR/MWh**

May 2021



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.35	2.35
2	-	-	-	-	-	-	-	-	-	-	-	7.59	14.29	12.79	-	-	-	-	-	-	-	-	-	2.48	1.69	14.29
3	0.18	-	-	-	-	-	19.93	25.46	25.97	24.11	12.97	9.13	14.26	17.97	16.62	10.10	6.76	5.97	7.71	1.70	0.75	4.18	-	-	25.97	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.81
7	-	1.20	3.99	1.69	-	0.63	3.21	-	-	-	7.18	8.31	4.24	4.44	3.57	3.16	8.21	9.36	5.85	11.74	6.04	8.29	4.66	6.89	11.74	
8	4.11	-	-	-	-	0.94	2.53	4.07	3.02	3.97	2.67	-	-	-	-	-	1.11	-	-	-	-	-	-	-	4.11	
9	-	-	-	-	-	-	-	0.92	6.69	10.72	10.25	10.65	10.74	16.98	39.72	18.24	18.66	27.72	-	-	-	-	-	-	39.72	
10	4.49	7.52	9.05	10.06	14.37	13.29	1.79	10.68	10.81	8.89	8.61	0.62	10.21	7.53	11.51	7.61	5.08	-	-	-	-	-	-	-	14.37	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	4.73	9.43	8.29	1.41	-	-	-	-	-	9.43
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
14	-	-	-	-	-	-	-	-	-	-	-	1.03	2.77	4.77	2.52	3.06	4.50	3.11	-	-	-	-	-	-	-	4.77
15	4.18	1.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.44	3.95	4.44
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
17	-	-	-	-	-	-	-	-	-	-	0.78	1.71	-	0.25	-	2.05	4.93	10.60	12.28	2.38	-	5.92	9.72	17.53	17.53	
18	-	-	-	0.64	3.09	3.93	15.46	20.76	22.50	27.75	24.89	27.55	23.09	22.76	22.80	22.67	17.10	17.48	13.60	10.83	9.94	27.27	26.38	31.43	31.43	
19	27.47	25.60	22.11	21.23	16.31	12.18	5.28	0.65	15.55	14.84	6.87	4.07	1.48	0.62	-	0.81	0.74	0.63	-	-	-	-	-	-	3.33	27.47
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.02
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
22	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37
23	-	-	-	0.91	-	15.76	5.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.76
24	-	-	-	-	-	19.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.99
25	-	0.34	2.07	1.60	3.00	1.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.24
29	4.33	2.60	5.75	3.68	7.19	3.18	16.39	18.38	18.09	20.68	18.00	17.79	12.30	1.52	1.35	-	-	-	-	-	-	-	-	-	-	20.68
30	-	-	-	0.44	1.05	2.90	4.53	6.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.90
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.48

Average 9.13 EUR/MWh

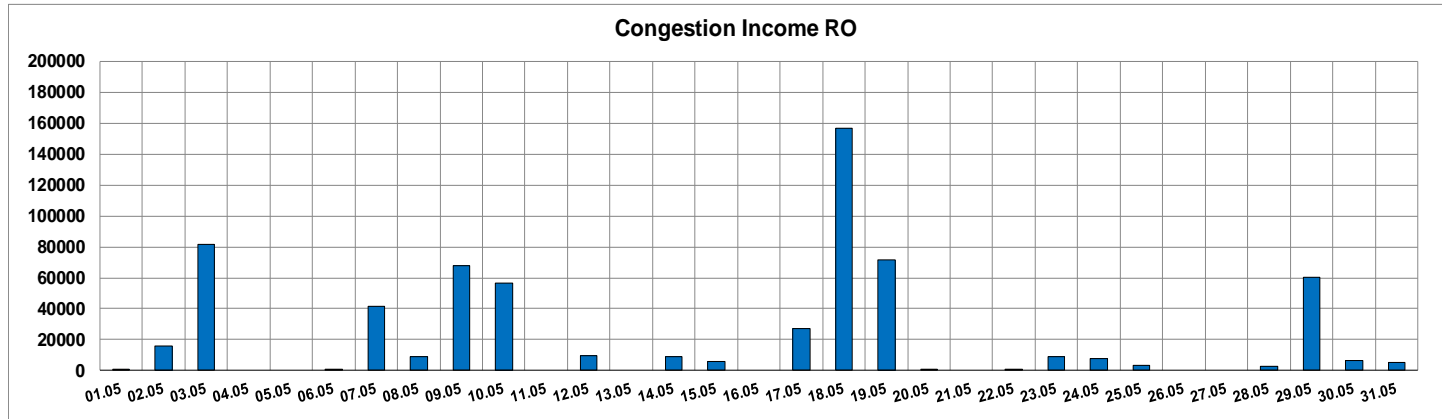
May 2021



**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]
01.05	1875	938
02.05	31189	15594
03.05	163627	81814
04.05	0	0
05.05	0	0
06.05	2270	1135
07.05	82744	41372
08.05	18057	9029
09.05	136004	68002
10.05	112843	56422
11.05	0	0
12.05	19352	9676
13.05	0	0
14.05	17539	8769
15.05	11518	5759
16.05	0	0
17.05	54520	27260
18.05	313536	156768
19.05	143816	71908
20.05	16	8
21.05	0	0
22.05	296	148
23.05	17840	8920
24.05	15872	7936
25.05	6813	3406
26.05	0	0
27.05	0	0
28.05	5835	2918
29.05	121135	60568
30.05	12751	6375
31.05	10865	5432
<b>Total</b>	<b>1300314</b>	<b>650157</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
1009764	290549	791938	228005
<b>1300314</b>		<b>1019943</b>	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
<b>280371</b>	<b>140186</b>





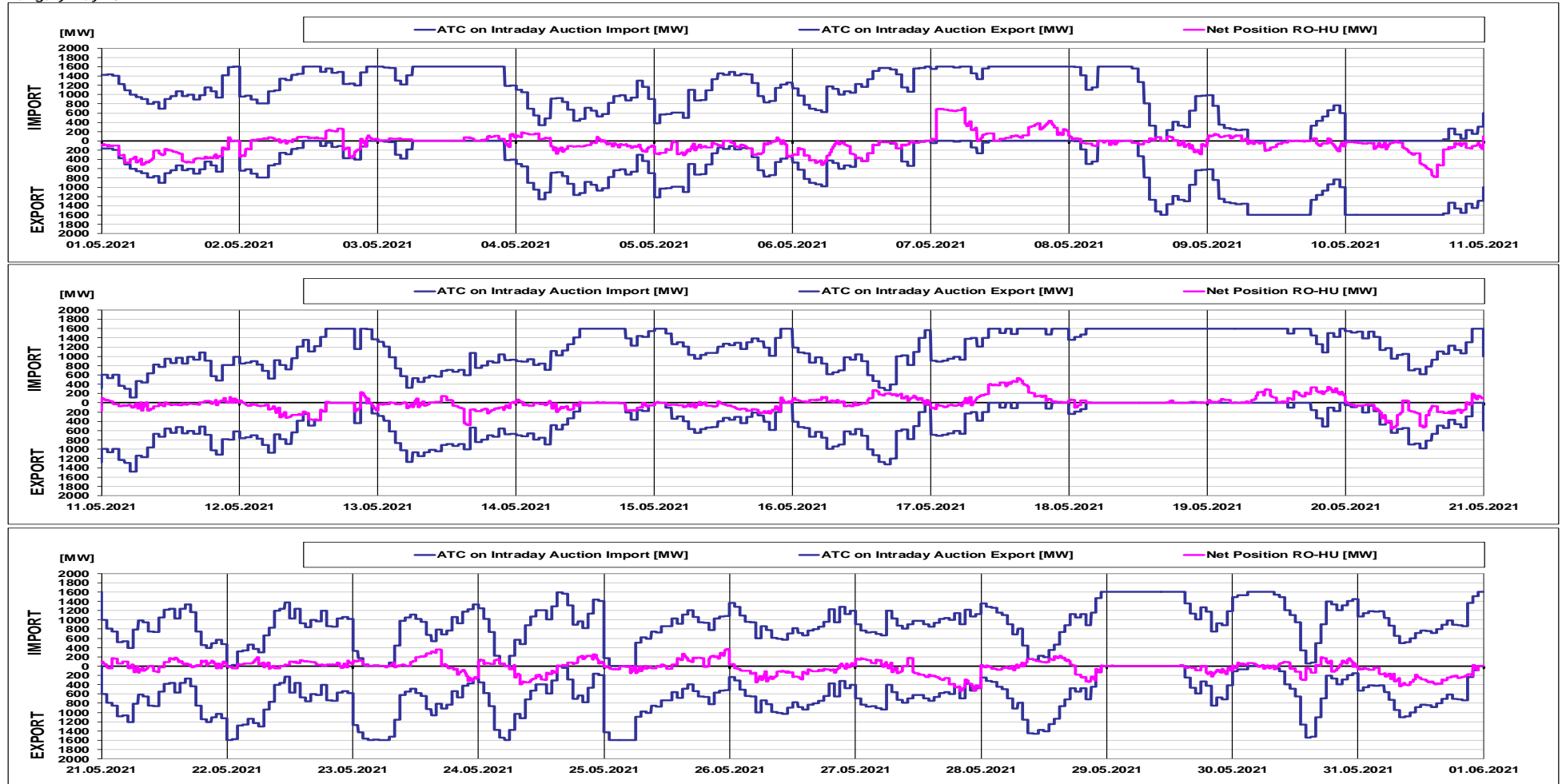
Transelectrica®

Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Implicit Intraday Auctions on Romanian – Hungarian border

Hungary May 2021



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

Public

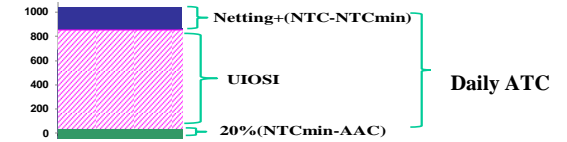


**Transelectrica®**  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Bulgarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
121	121	847	756



Bulgaria May 2021



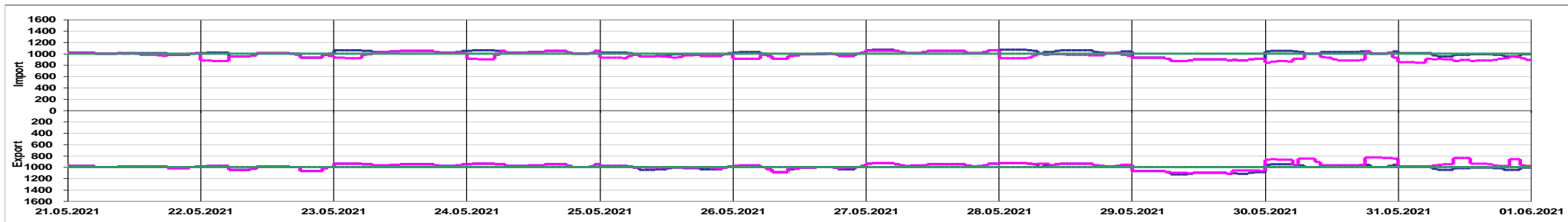
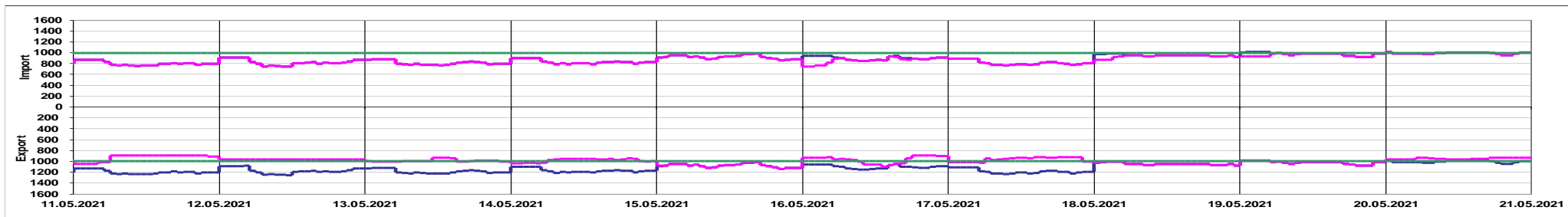
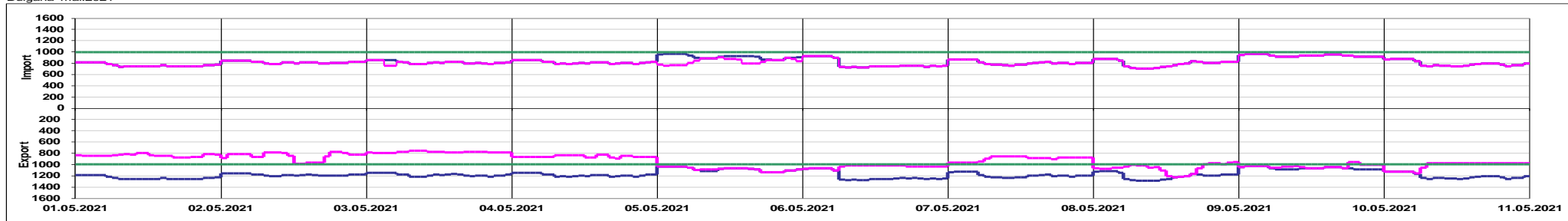


Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Bulgarian border

Bulgaria mai.2021



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

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

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

Public

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Bulgarian 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.02	0.05	0.05	0.05	0.05	0.02	0.01	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.05
6	0.06	0.06	0.06	0.06	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
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	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	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
9	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
10	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.05	0.05	0.06	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05
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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
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	0.00
18	0.05	0.13	0.08	0.08	0.08	0.05	0.05	0.08	0.05	0.02	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.02	0.02	0.02	0.02	0.20	0.16	0.20	0.20
19	0.51	0.51	0.51	0.51	0.37	0.25	0.05	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.51
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.02	0.05	0.06	0.06	0.06	0.04	0.01	0.01	0.01	0.02	0.02	0.04	0.05	0.05	0.22	0.22	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.22
22	0.51	0.88	0.88	0.88	0.88	0.57	0.25	0.25	0.03	0.04	0.20	0.46	0.46	0.46	0.46	0.46	0.51	0.05	0.02	0.02	0.02	0.02	0.05	0.20	0.88	0.88	
23	0.88	0.88	1.00	1.00	0.88	1.00	0.88	0.35	0.27	0.15	0.27	0.05	0.27	0.46	0.51	0.51	0.56	0.15	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.00
24	0.56	0.73	0.73	0.73	0.73	0.56	0.51	0.26	0.33	0.26	0.26	0.26	0.26	0.33	0.33	0.32	0.33	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.73
25	0.08	0.08	0.08	0.08	0.08	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.08
26	0.17	0.17	0.17	0.17	0.24	0.07	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.24
27	0.05	0.05	0.05	0.05	0.05	0.04	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.05
28	0.05	0.05	0.05	0.05	0.05	0.02	0.02	0.00	0.00	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.05
29	0.05	0.05	0.05	0.02	0.02	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.05	0.05	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
30	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.05	0.32	0.32	0.11	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
31	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02

Bulgaria May 2021

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Bulgarian border



Transelectrica®

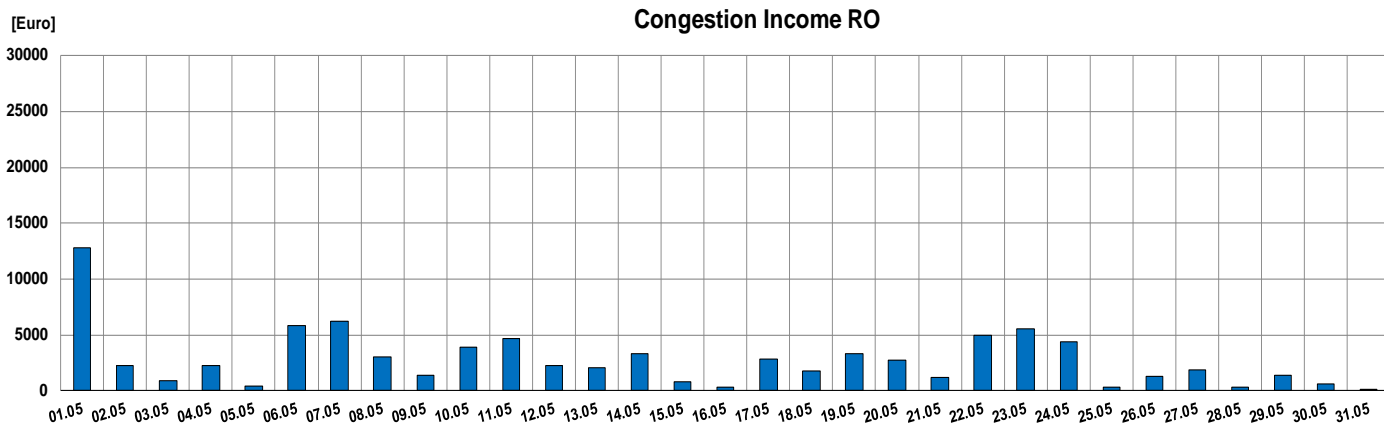
Societate Administrată în Sistem Dualist

### 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	0.22	0.22	0.22	0.22	0.22	0.66	2.04	3.00	3.30	2.89	2.02	1.79	1.79	1.08	1.08	1.08	1.08	1.46	2.00	2.00	1.73	1.73	1.08	1.08	3.30
2	0.05	0.05	0.05	0.05	0.05	0.08	0.11	0.17	0.30	0.32	0.30	0.38	0.42	0.42	0.38	0.38	0.38	0.25	0.12	0.30	0.30	0.30	0.16	0.17	0.42
3	0.02	0.03	0.03	0.00	0.00	0.06	0.08	0.17	0.25	0.27	0.13	0.12	0.08	0.05	0.05	0.05	0.08	0.12	0.12	0.13	0.12	0.12	0.06	0.06	0.27
4	0.04	0.04	0.04	0.04	0.02	0.11	0.11	0.66	0.66	0.56	0.23	0.15	0.17	0.12	0.08	0.08	0.11	0.08	0.48	0.48	0.48	0.48	0.31	0.06	0.66
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.05	0.00	0.00	0.08
6	0.03	0.03	0.03	0.02	0.02	0.06	0.57	0.85	1.06	1.33	0.85	0.80	0.80	0.80	0.85	0.85	0.85	0.69	0.71	0.85	0.85	0.85	0.85	0.64	1.33
7	0.11	0.11	0.11	0.11	0.06	0.33	0.55	1.54	1.54	1.54	0.84	0.75	0.75	0.33	0.33	0.09	0.12	0.33	0.92	1.10	1.10	1.10	1.10	0.83	1.54
8	0.06	0.06	0.06	0.06	0.06	0.17	0.40	0.52	0.55	0.56	0.56	0.55	0.37	0.33	0.17	0.17	0.17	0.17	0.51	0.51	0.55	0.53	0.43	0.34	0.56
9	0.05	0.05	0.05	0.05	0.02	0.05	0.05	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.05	0.06	0.17	0.22	0.17	0.05	0.05	0.22
10	0.05	0.05	0.05	0.05	0.05	0.17	0.51	0.77	0.77	0.77	0.77	0.52	0.52	0.33	0.33	0.33	0.33	0.51	0.52	0.69	0.51	0.41	0.33	0.77	0.77
11	0.17	0.15	0.15	0.15	0.17	0.22	0.51	0.83	0.95	1.00	0.70	0.64	0.62	0.57	0.51	0.51	0.45	0.75	0.66	0.66	0.42	0.42	0.32	0.22	1.00
12	0.02	0.00	0.00	0.00	0.00	0.12	0.32	0.45	0.44	0.45	0.51	0.54	0.36	0.23	0.22	0.22	0.32	0.17	0.22	0.25	0.25	0.20	0.15	0.12	0.54
13	0.07	0.05	0.05	0.02	0.02	0.22	0.26	0.26	0.22	0.36	0.36	0.41	0.26	0.25	0.22	0.22	0.17	0.22	0.22	0.26	0.29	0.26	0.22	0.22	0.41
14	0.02	0.02	0.02	0.01	0.01	0.09	0.36	0.45	0.74	0.88	0.71	0.70	0.51	0.51	0.51	0.49	0.48	0.40	0.17	0.33	0.33	0.17	0.17	0.17	0.88
15	0.02	0.02	0.01	0.01	0.01	0.03	0.02	0.02	0.12	0.21	0.12	0.12	0.03	0.02	0.02	0.01	0.01	0.08	0.03	0.05	0.13	0.12	0.07	0.07	0.21
16	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.21	0.05	0.07	0.05	0.05	0.01	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.03	0.03	0.21
17	0.01	0.01	0.01	0.01	0.01	0.06	0.08	0.46	0.46	0.55	0.55	0.51	0.51	0.51	0.46	0.46	0.46	0.46	0.46	0.32	0.46	0.23	0.11	0.08	0.55
18	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.05
19	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.11	0.11	0.21	0.21	0.21	0.13	0.11	0.09	0.09	0.08	0.24	0.24	0.51	0.58	0.46	0.13	0.08	0.58
20	0.02	0.02	0.02	0.02	0.02	0.08	0.43	0.33	0.29	0.41	0.33	0.31	0.31	0.21	0.33	0.33	0.21	0.26	0.28	0.33	0.33	0.28	0.19	0.19	0.43
21	0.02	0.02	0.02	0.02	0.00	0.02	0.02	0.25	0.17	0.17	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.17	0.22	0.05	0.05	0.25
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10	0.27	0.10	0.02	0.00	0.27
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.17	0.17	0.17	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.25	0.15	0.15	0.00	0.00	0.25
24	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.31	0.32	0.32	0.22	0.09	0.32
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.03	0.00	0.03
26	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.23	0.12	0.12	0.06	0.05	0.04	0.02	0.02	0.00	0.00	0.02	0.02	0.21	0.27	0.27	0.04	0.02	0.27
27	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.33	0.33	0.33	0.22	0.22	0.21	0.08	0.06	0.06	0.05	0.05	0.08	0.22	0.33	0.30	0.08	0.06	0.33
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	0.01	0.01	0.01	0.00	0.00	0.01
29	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.22	0.22	0.22	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.22	0.22	0.22	0.22	0.22	0.06	0.22
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.02	0.00	0.06
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01

Bulgaria May 2021

## Daily Allocation on Romanian – Bulgarian border



Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.05	25508	12754
02.05	4445	2223
03.05	1761	880
04.05	4461	2231
05.05	824	412
06.05	11699	5850
07.05	12358	6179
08.05	6097	3048
09.05	2843	1421
10.05	7811	3906
11.05	9272	4636
12.05	4395	2198
13.05	4071	2036
14.05	6696	3348
15.05	1652	826
16.05	674	337
17.05	5742	2871
18.05	3427	1714
19.05	6579	3289
20.05	5486	2743
21.05	2437	1218
22.05	9976	4988
23.05	11028	5514
24.05	8818	4409
25.05	714	357
26.05	2622	1311
27.05	3671	1835
28.05	645	323
29.05	2759	1379
30.05	1228	614
31.05	128	64
<b>Total</b>	<b>169829</b>	<b>84914</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
38851	130978	32736	109774
<b>169829</b>		<b>142510</b>	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
<b>27319</b>	<b>13659</b>



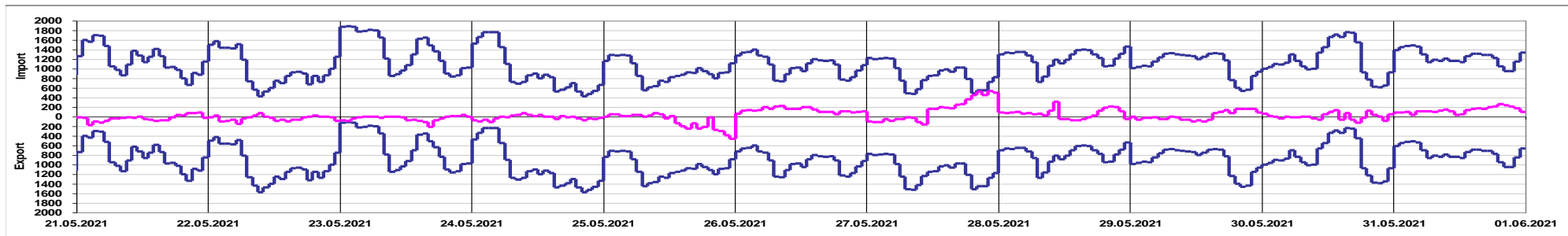
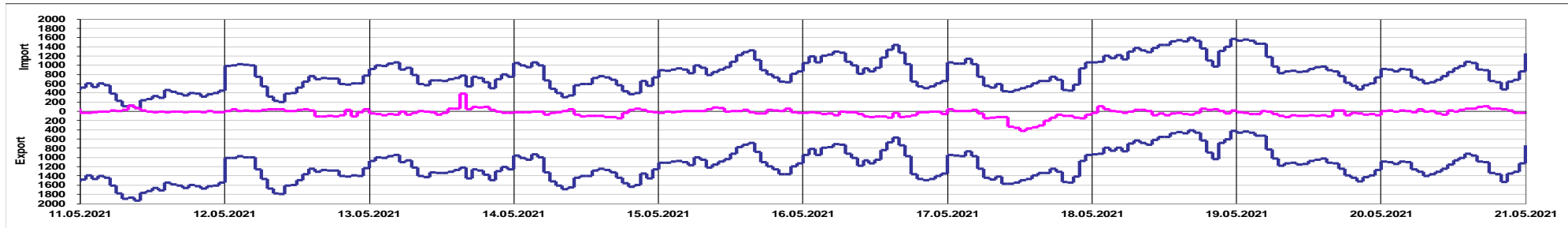
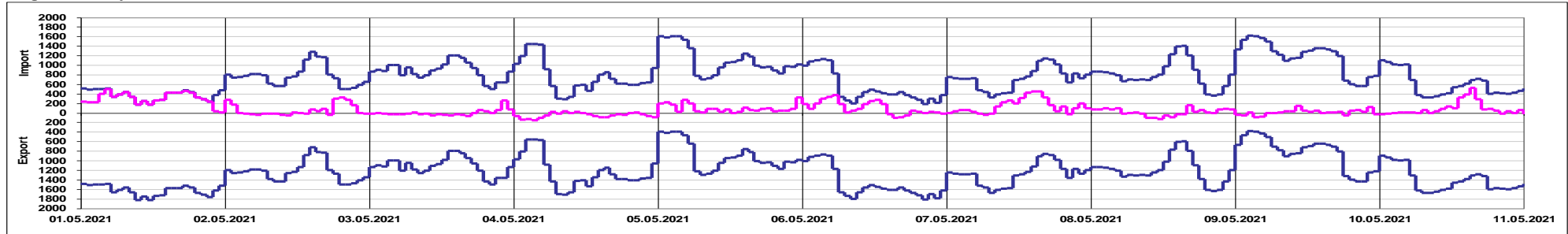
Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Implicit Intraday Auctions on Romanian – Bulgarian border

Bulgaria

May 2021



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

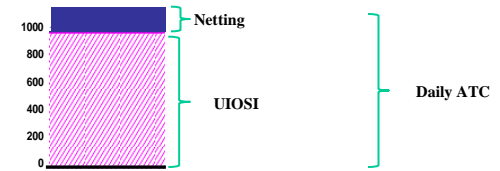


**Transelectrica**<sup>®</sup>  
Societate Administrată în Sistem Dualist

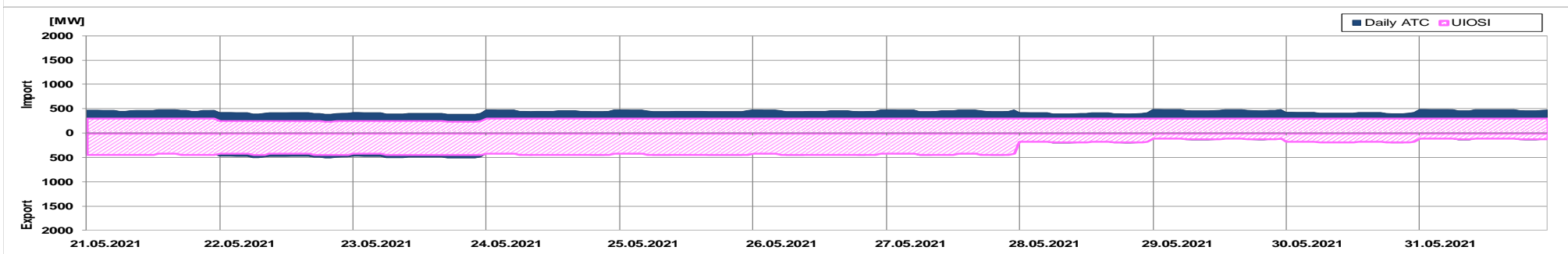
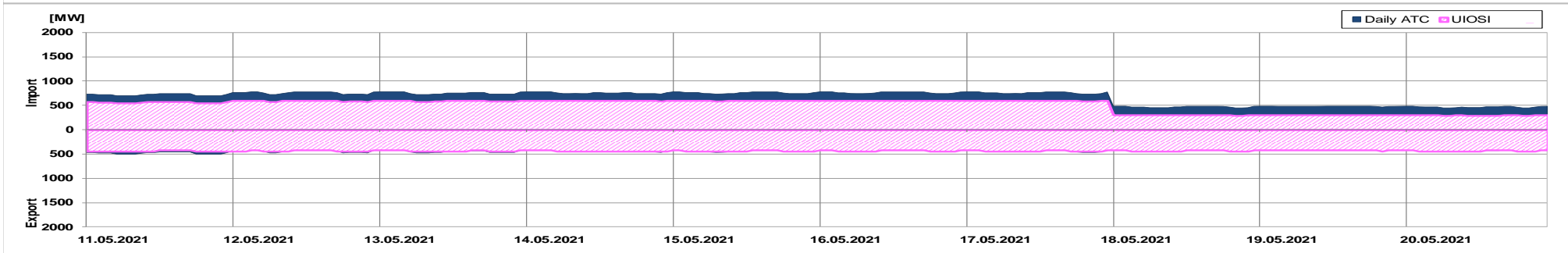
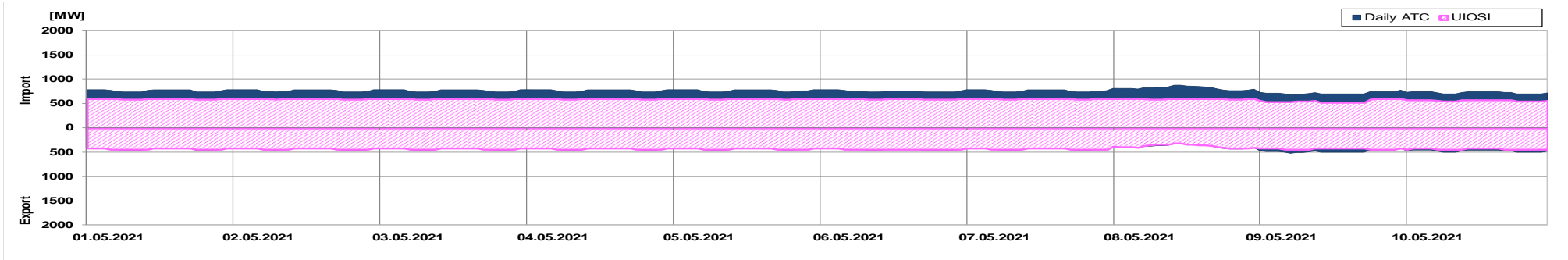
# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
392	448



Serbia May 2021



Public

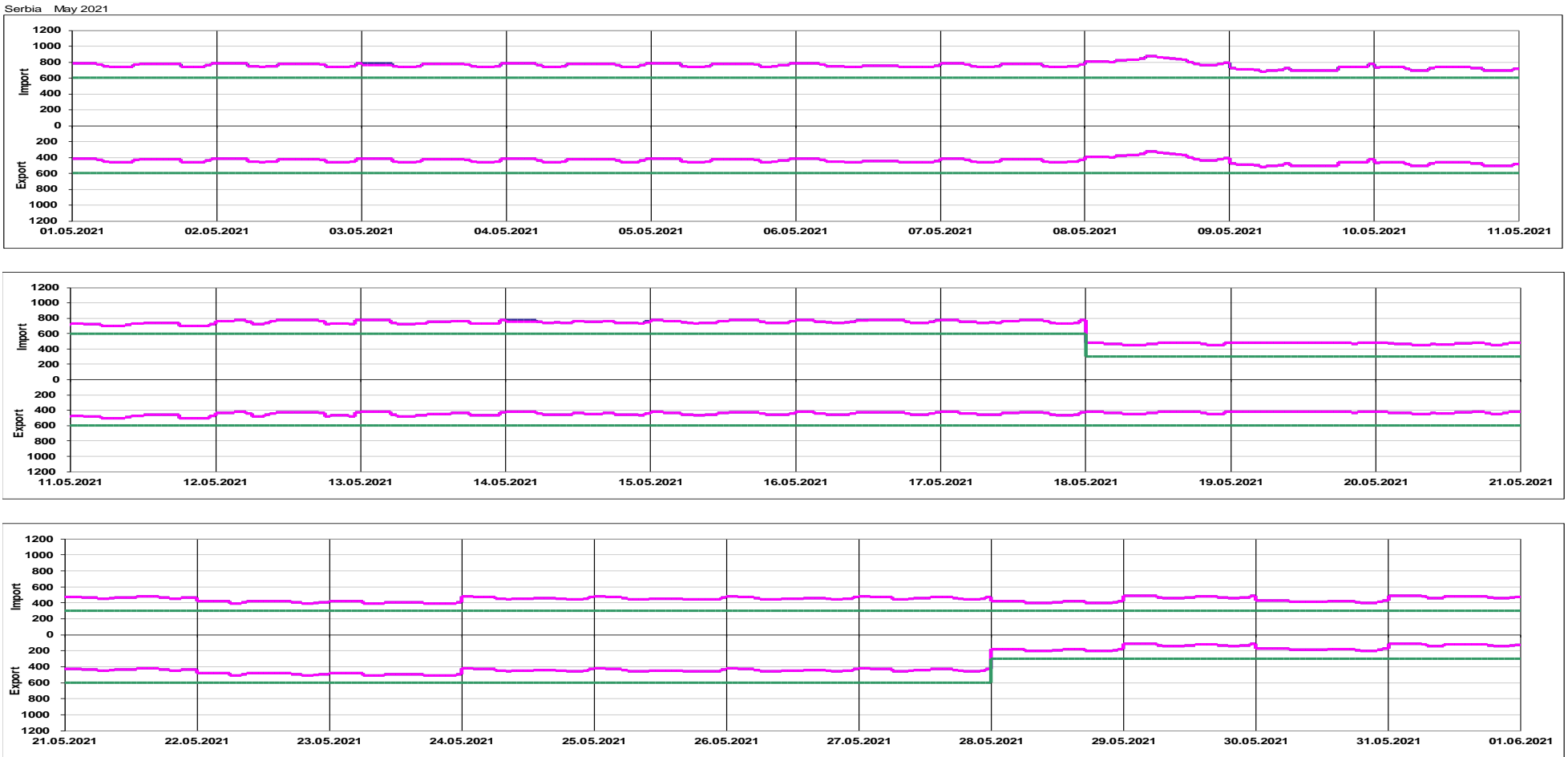




Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Serbian border



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

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

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



Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Serbian border

### Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.36	0.36	0.36	0.36	0.36	0.31	0.25	0.25	0.25	0.25	0.33	0.36	0.36	0.36	0.36	0.36	0.36	0.51	0.44	0.44	0.44	0.44	0.51	0.51	0.51
2	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.55	0.63	0.84	0.84	0.56	0.56	0.56	0.58	0.80	0.70	0.79	0.79	1.02	1.10	1.10
3	1.66	1.66	1.66	1.66	1.66	1.66	1.88	1.88	1.88	2.51	3.77	3.77	3.01	2.74	2.85	2.56	2.51	1.66	1.66	1.66	1.66	1.66	1.66	1.66	3.77
4	0.87	0.87	0.87	0.87	0.87	0.87	0.56	0.55	0.53	0.55	0.61	0.61	0.61	0.61	0.61	0.64	0.64	0.56	0.43	0.42	0.80	1.09	1.10	1.10	1.10
5	1.49	1.08	1.12	1.32	1.50	0.92	0.70	0.66	1.01	1.10	1.10	1.51	1.51	1.91	2.00	2.00	1.39	1.50	1.06	0.82	1.04	1.50	1.50	1.50	2.00
6	0.22	0.22	0.22	0.22	0.20	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.18	0.18	0.18	0.18	0.18	0.22	0.22
7	0.16	0.16	0.15	0.15	0.15	0.15	0.23	0.44	0.44	0.44	0.55	0.92	0.92	0.92	0.87	0.87	0.87	0.75	0.75	0.75	0.75	1.23	1.51	1.27	1.51
8	0.44	0.44	0.44	0.40	0.35	0.44	1.20	1.60	1.60	1.20	1.60	1.51	1.12	1.12	1.20	1.20	1.12	0.39	0.31	0.31	0.40	0.40	0.70	1.10	1.60
9	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.15	0.22	0.15	0.15	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.12	0.12	0.12	0.13	0.15	0.22
10	0.22	0.27	0.22	0.22	0.22	0.15	0.22	0.22	0.22	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.15	0.13	0.13	0.13	0.13	0.13	0.15	0.31
11	0.12	0.12	0.12	0.12	0.12	0.12	0.15	0.15	0.15	0.16	0.16	0.16	0.22	0.22	0.22	0.22	0.20	0.20	0.15	0.15	0.11	0.11	0.11	0.11	0.22
12	0.22	0.22	0.22	0.22	0.22	0.22	0.20	0.22	0.22	0.23	0.33	0.61	0.65	1.10	0.95	0.95	0.92	0.92	0.77	0.92	0.92	0.92	0.77	0.92	1.10
13	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.27	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.27	0.26	0.32	0.35	0.35	0.35	0.39	0.39
14	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.35
15	0.35	0.35	0.42	0.42	0.35	0.30	0.28	0.27	0.27	0.27	0.32	0.35	0.35	0.35	0.35	0.35	0.33	0.30	0.30	0.30	0.30	0.30	0.30	0.33	0.42
16	0.33	0.33	0.33	0.27	0.27	0.27	0.27	0.27	0.27	0.34	0.35	0.35	0.39	0.39	0.35	0.35	0.35	0.35	0.27	0.27	0.27	0.27	0.27	0.30	0.39
17	0.32	0.33	0.33	0.27	0.27	0.27	0.24	0.24	0.23	0.24	0.27	0.33	0.33	0.33	0.35	0.35	0.35	0.26	0.20	0.32	0.36	0.36	0.36	0.39	0.39
18	1.55	1.55	1.32	1.55	1.55	1.55	3.00	4.66	3.94	4.74	4.02	5.10	5.66	3.51	4.93	5.23	5.53	5.50	8.22	7.56	5.15	8.39	9.03	13.68	13.68
19	15.00	15.00	14.78	12.00	12.00	10.10	8.55	5.70	5.00	5.00	4.90	4.90	2.12	2.12	1.50	1.09	1.09	1.00	0.95	0.69	0.51	0.69	1.00	1.00	15.00
20	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.36	0.51	0.51	0.51	0.51	0.51	0.36	0.36	0.36	0.51	0.51	0.36	0.36	0.36	0.51	0.51	0.51	0.51
21	0.39	0.39	0.35	0.35	0.35	0.35	0.18	0.12	0.12	0.18	0.25	0.25	0.38	0.42	0.42	0.29	0.26	0.12	0.12	0.12	0.12	0.33	0.33	0.42	0.42
22	0.31	0.39	0.27	0.27	0.31	0.27	0.20	0.20	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.20	0.25	0.25	0.31	0.31	0.39
23	0.21	0.21	0.17	0.16	0.16	0.17	0.11	0.12	0.16	0.17	0.18	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.21
24	0.55	0.55	0.55	0.55	0.55	0.55	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.33	0.29	0.29	0.29	0.25	0.25	0.25	0.26	0.26	0.26	0.32	0.55
25	0.26	0.26	0.26	0.26	0.26	0.25	0.21	0.21	0.21	0.21	0.29	0.29	0.29	0.29	0.25	0.25	0.25	0.21	0.21	0.21	0.25	0.25	0.53	0.53	0.53
26	0.37	0.37	0.37	0.37	0.31	0.31	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.37
27	0.25	0.25	0.23	0.23	0.23	0.23	0.21	0.21	0.21	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.21	0.21	0.21	0.21	0.21	0.25	0.25
28	0.35	0.35	0.35	0.35	0.35	0.33	0.31	0.31	0.31	0.31	0.31	0.33	0.33	0.33	0.33	0.35	0.33	0.31	0.31	0.31	0.74	1.35	1.56	2.26	2.26
29	8.26	7.35	4.82	5.22	5.22	6.22	5.93	5.22	5.22	5.22	5.22	4.51	4.51	4.51	2.70	1.12	1.12	0.55	0.56	0.55	0.55	0.56	0.56	2.65	8.26
30	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.35	0.35	0.35	0.35	0.51	0.51
31	1.91	1.91	1.65	1.65	1.65	1.65	5.12	3.10	2.06	1.29	1.16	1.16	1.16	1.16	1.16	2.51	2.51	3.40	3.40	3.40	3.40	3.40	3.40	4.20	5.12

Serbia May 2021



Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Daily Auctions on Romanian – Serbian border

### Auction Price [Euro/MWh] – Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.02
2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02
5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02
6	0.06	0.06	0.06	0.06	0.06	0.08	0.15	0.15	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.15	0.08	0.15
7	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.05
8	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.06	0.06	0.06	0.06	0.03	0.02	0.06
9	0.16	0.16	0.16	0.16	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.31	0.31	0.31	0.31	0.31	0.33	0.33	0.25	0.22	0.22	0.22	0.22	0.18	0.33
10	0.08	0.06	0.06	0.06	0.06	0.09	0.15	0.16	0.15	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.21	0.21	0.21	0.15	0.15	0.09	0.21
11	0.15	0.15	0.15	0.15	0.15	0.25	0.36	0.36	0.31	0.38	0.36	0.36	0.31	0.31	0.31	0.31	0.31	0.36	0.51	0.51	0.43	0.36	0.31	0.25	0.51
12	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.07	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.05	0.05	0.05	0.05	0.03	0.07
13	0.02	0.02	0.02	0.02	0.02	0.02	0.07	0.09	0.09	0.07	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.14	0.09	0.07	0.03	0.03	0.02	0.14
14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.04	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.04
15	0.03	0.03	0.04	0.04	0.04	0.04	0.06	0.07	0.09	0.09	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.09	0.07	0.07	0.07	0.09
16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03
17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.06	0.09	0.06	0.06	0.06	0.06	0.04	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.09
18	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09
19	0.11	0.11	0.11	0.11	0.11	0.11	0.18	0.16	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.23	0.16	0.13	0.13	0.11	0.23
20	0.15	0.15	0.16	0.16	0.16	0.16	0.18	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.22	0.22	0.23	0.29	0.23	0.23	0.15	0.15	0.29
21	0.09	0.09	0.12	0.12	0.12	0.12	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.12	0.09	0.09	0.11	0.10	0.09	0.11	0.11	0.15
22	0.33	0.50	0.50	0.50	0.50	0.50	0.33	0.33	0.44	0.44	0.44	0.51	0.51	0.51	0.51	0.51	0.51	0.23	0.23	0.29	0.29	0.23	0.33	0.33	0.51
23	0.51	0.51	0.51	0.51	0.51	0.45	0.45	0.45	0.58	0.58	0.66	0.66	0.66	0.84	0.95	0.95	0.66	0.45	0.31	0.23	0.23	0.23	0.31	0.31	0.95
24	0.44	0.50	0.61	0.84	0.84	0.84	0.84	0.84	1.01	1.01	1.10	1.10	1.10	1.03	1.03	1.03	1.03	0.58	0.56	0.44	0.39	0.39	0.39	0.44	1.10
25	0.27	0.27	0.27	0.27	0.53	0.55	0.55	0.55	0.55	0.55	0.53	0.38	0.31	0.31	0.31	0.38	0.42	0.42	0.42	0.38	0.33	0.33	0.27	0.25	0.55
26	0.25	0.25	0.25	0.25	0.25	0.25	0.32	0.32	0.33	0.32	0.28	0.33	0.33	0.33	0.32	0.32	0.32	0.28	0.32	0.32	0.32	0.28	0.28	0.25	0.33
27	0.23	0.23	0.23	0.23	0.23	0.23	0.25	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.32	0.26	0.26	0.25	0.23	0.32
28	0.12	0.12	0.12	0.12	0.12	0.12	0.15	0.16	0.16	0.16	0.15	0.15	0.15	0.13	0.15	0.15	0.13	0.15	0.15	0.15	0.15	0.15	0.13	0.12	0.16
29	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.11
30	0.13	0.13	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.29	0.33	0.37	0.36	0.36	0.37	0.33	0.27	0.13	0.16	0.16	0.16	0.13	0.13	0.37
31	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05

Serbia May 2021

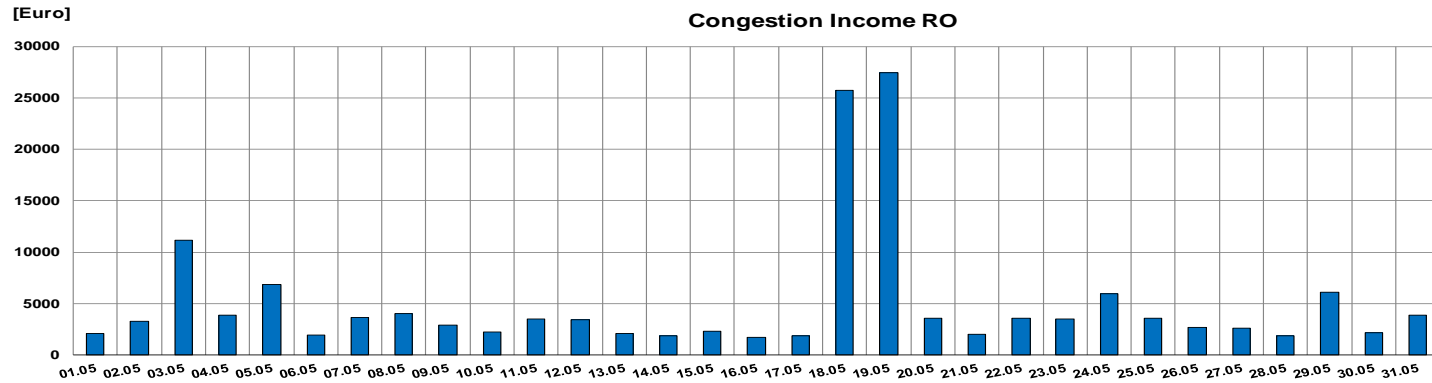
# Market for Allocation of Cross-Border Capacities



Transelectrica®

Societate Administrată în Sistem Dualist

## Daily Allocation on Romanian – Serbian border



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.05	4145	2072
02.05	6514	3257
03.05	22294	11147
04.05	7690	3845
05.05	13683	6841
06.05	3925	1963
07.05	7350	3675
08.05	8011	4006
09.05	5750	2875
10.05	4404	2202
11.05	7063	3532
12.05	6836	3418
13.05	4244	2122
14.05	3799	1900
15.05	4632	2316
16.05	3452	1726
17.05	3728	1864
18.05	51433	25716
19.05	54834	27417
20.05	7108	3554
21.05	3996	1998
22.05	7147	3573
23.05	7032	3516
24.05	11968	5984
25.05	7138	3569
26.05	5346	2673
27.05	5193	2596
28.05	3756	1878
29.05	12167	6083
30.05	4305	2153
31.05	7700	3850
<b>Total</b>	<b>306643</b>	<b>153322</b>

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
248507	58136	242613	39328
<b>306643</b>		<b>281941</b>	

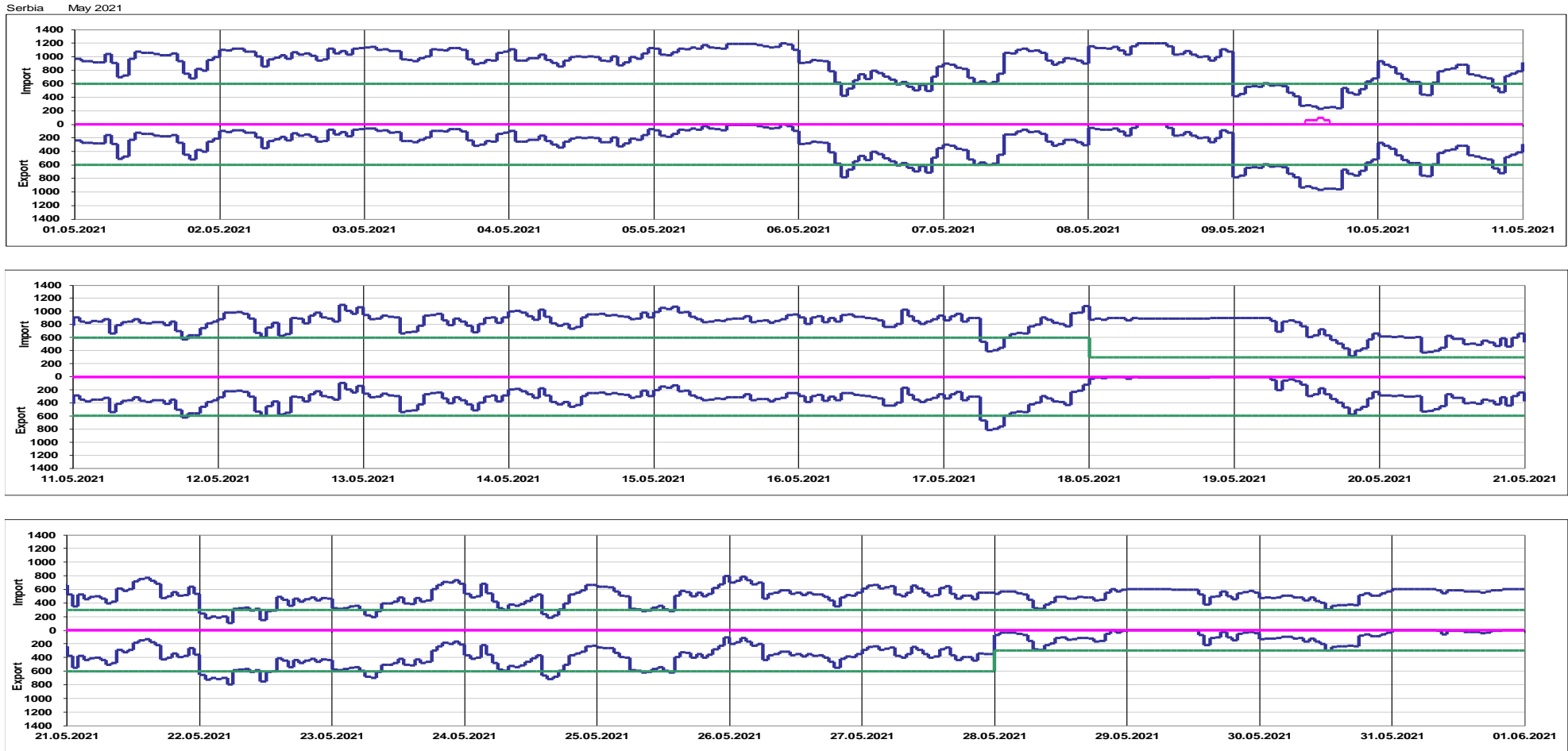
TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
<b>24702</b>	<b>12351</b>



Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Intraday Auctions on Romanian – Serbian border



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

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

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

Public



**Transelectrica®**  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Intraday Auctions on Romanian – Serbian border

### Auction Price [Euro/MWh] - Export

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

Serbia May 2021



# Market for Allocation of Cross-Border Capacities



**Transelectrica**<sup>®</sup>  
Societate Administrată în Sistem Dualist

## Statistics on Monthly Auction

May 2021		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	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	29	
	Number of Capacity Holders	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	Number of Bids	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	
Hungary import	Number of Capacity Traders	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
	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	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	
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	29	
	Number of Capacity Holders	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	Number of Bids	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	
Bulgaria import	Number of Capacity Traders	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
	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	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	
Serbia export	Number of Capacity Traders	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Capacity Holders	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Number of Bids	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
Serbia import	Number of Capacity Traders	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Capacity Holders	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	6	6	6	6	6	6	6	6	6	6	6	6	
	Number of Bids	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	54	54	54	54	54	54	54	54	54	54	54	54	
Ukraine export	Number of Capacity Traders	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 Capacity Holders	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	Number of Bids	16	16	16	16	16	16	16	16	16	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
Ukraine import	Number of Capacity Traders	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
	Number of Capacity Holders	6	6	6	6	6	6	6	6	6	-	-	-	-	-	-	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	Number of Bids	29	29	29	29	29	29	29	29	29	-	-	-	-	-	-	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

May 2021	Maximum	Minimum
Number of Capacity Traders	31	7
Number of Capacity Holders	21	4
Number of Bids	211	16

Notes: Between 10 – 14.05.2021, the 400 kV OHL Rosiori – Mukacevo was out of operation for planned maintenance program, so transfer capacity was not available on the Ukrainian border.



# Market for Allocation of Cross-Border Capacities



Transelectrica®  
Societate Administrată în Sistem Dualist

## Statistics on Daily Auctions

May 2021		Daily Auctions																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Serbia Export	Maximum Number of Capacity Traders	9	9	10	9	11	9	10	10	7	8	9	10	9	9	9	10	9	11	11	9	9	10	9	10	9	10	10	10	12	9	8	
	Maximum Number of Capacity Holders	7	7	9	7	10	7	8	8	6	8	8	7	8	8	7	6	7	6	7	7	9	8	8	8	8	8	9	7	7	6	6	4
	Maximum Number of Bids	41	39	43	41	50	39	43	42	36	37	41	46	43	40	42	37	37	52	53	42	38	41	39	44	41	44	40	42	48	34	35	
Serbia Import	Maximum Number of Capacity Traders	9	9	9	10	10	11	11	11	7	10	13	11	11	11	10	9	11	10	11	10	9	9	9	10	11	11	11	10	10	9	9	
	Maximum Number of Capacity Holders	9	9	9	10	10	10	10	11	7	10	12	10	10	11	10	9	11	9	10	10	9	9	7	8	10	9	10	9	9	9	9	
	Maximum Number of Bids	41	37	36	39	38	45	42	41	32	38	50	43	41	42	43	36	41	39	44	45	40	45	39	39	46	46	43	40	41	38	34	
Bulgaria Export	Maximum Number of Capacity Traders	14	15	13	13	13	14	14	16	13	13	13	15	14	15	16	12	15	18	15	15	17	17	17	16	17	18	17	17	16	14	15	
	Maximum Number of Capacity Holders	14	15	13	13	13	14	14	15	13	13	13	15	14	15	16	12	14	18	15	15	17	16	17	16	17	17	17	17	16	14	15	
	Maximum Number of Bids	32	33	30	32	41	40	36	40	38	35	35	36	36	41	43	30	35	47	45	37	42	45	43	38	40	48	39	42	44	35	36	
Bulgaria Import	Maximum Number of Capacity Traders	18	15	14	16	12	17	16	17	15	16	15	16	17	15	15	14	14	16	17	17	17	18	16	18	18	16	17	14	16	16	14	
	Maximum Number of Capacity Holders	16	15	14	15	12	17	15	16	15	15	15	16	17	15	15	14	14	15	17	16	17	17	15	18	16	16	17	14	16	16	14	
	Maximum Number of Bids	47	40	37	46	33	49	46	42	43	48	46	46	44	46	46	32	37	41	44	46	42	43	41	44	40	42	46	39	43	37	32	

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

# Market for Allocation of Cross-Border Capacities



## Statistics on Intraday Auctions

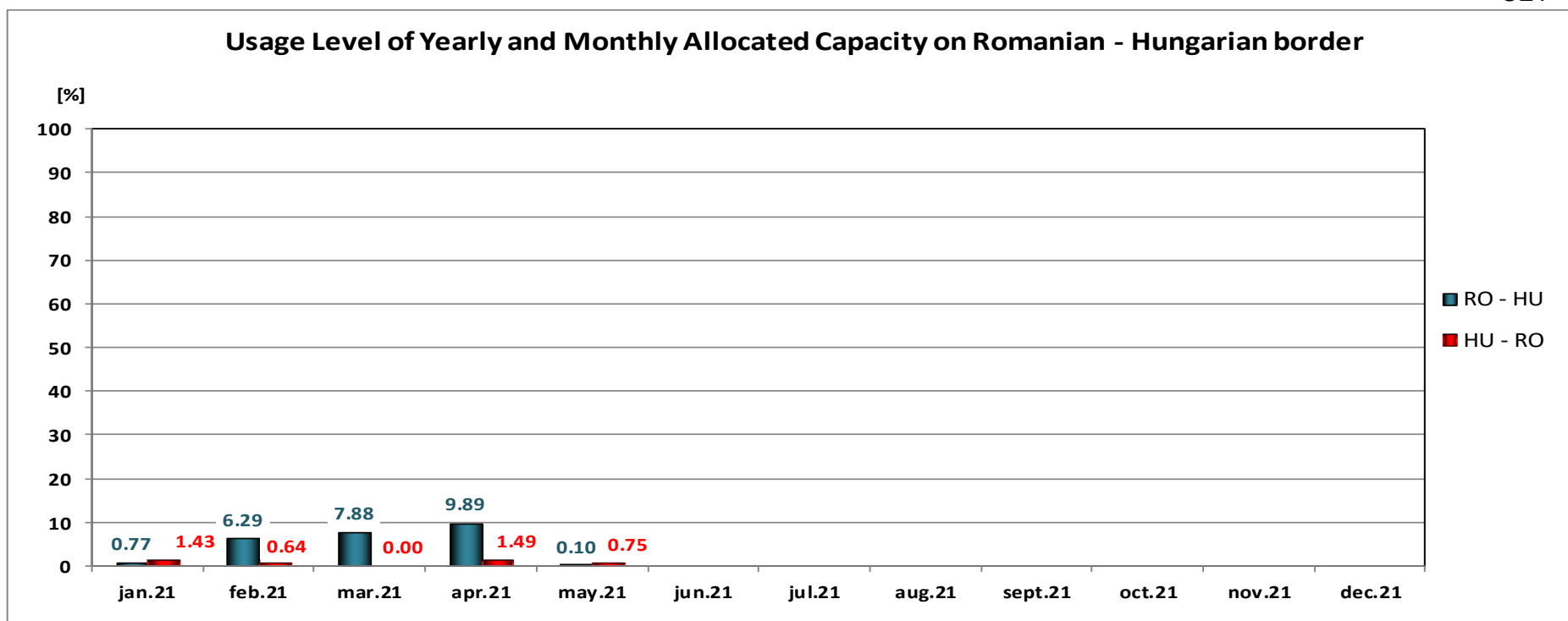
May 2021		Intraday Auctions																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Serbia Export	<b>Maximum Number of Capacity Traders</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Maximum Number of Capacity Holders</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Serbia Import	<b>Maximum Number of Capacity Traders</b>	0	0	0	0	0	0	0	0	1	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>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

## Long term Auction on Romanian – Hungarian border

## Usage Level of Allocated Capacity

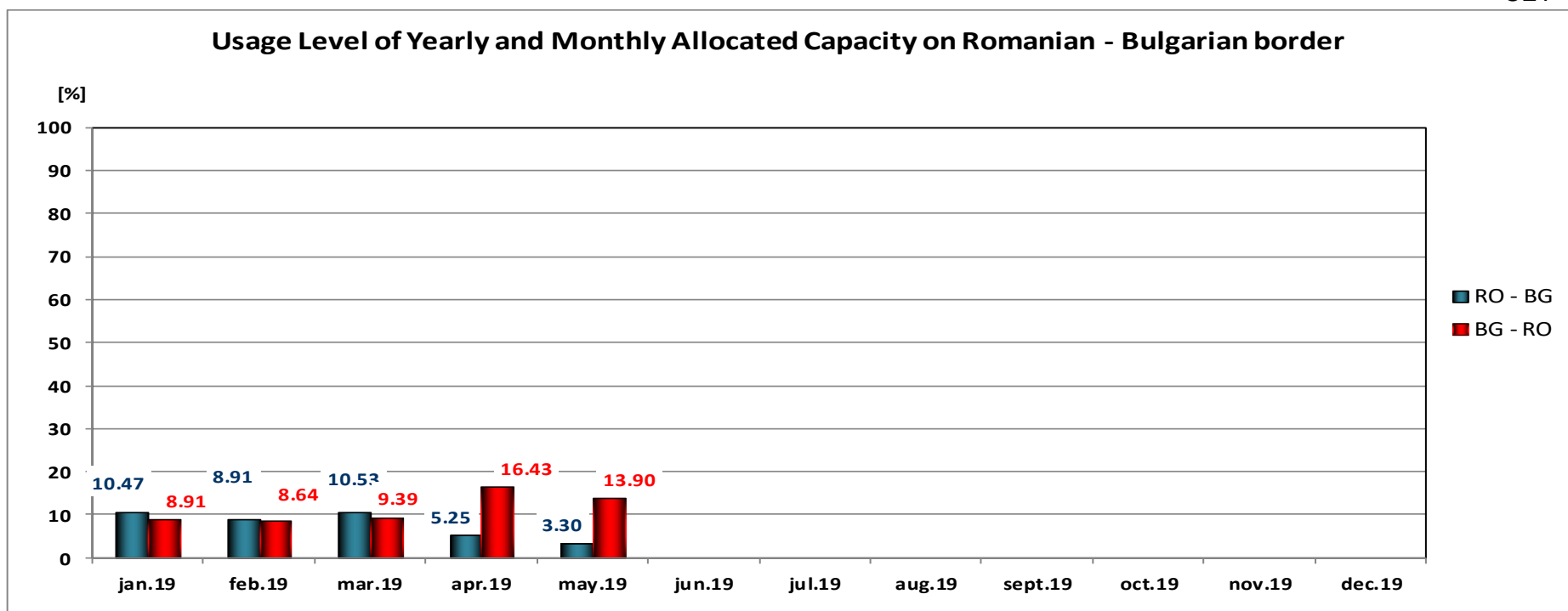
CET



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

From the beginning of the year, the average values (arithmetic) of usage level are: 4.99% on export direction and 0.86% on import direction.

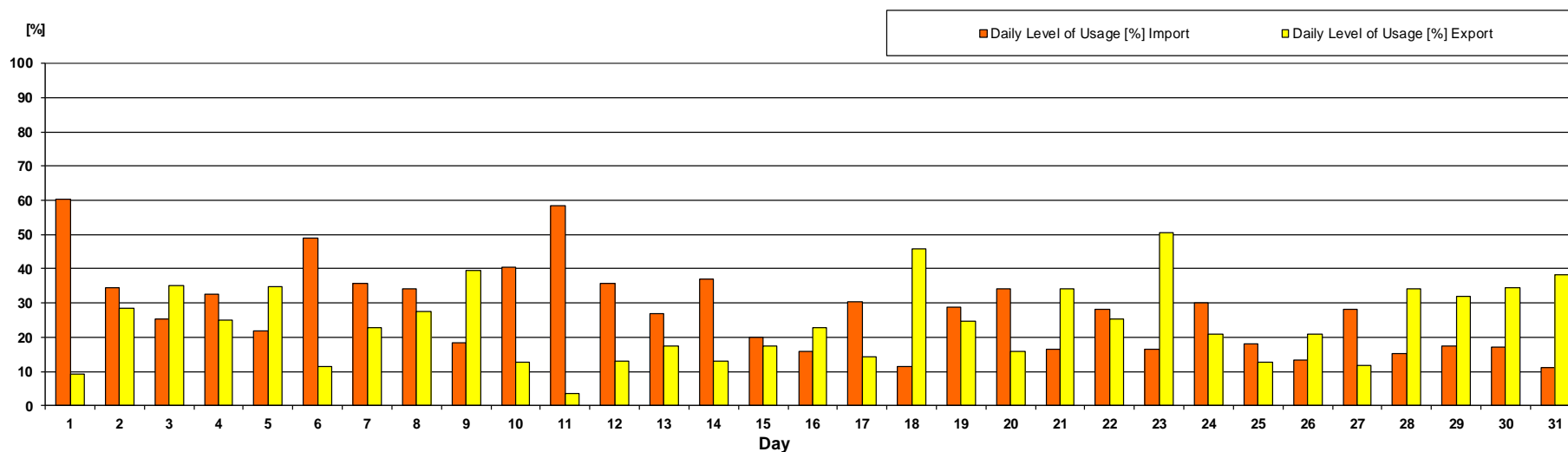
CET



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: 7.69% on export direction and 11.45% on import direction.

RO-BG May 2021

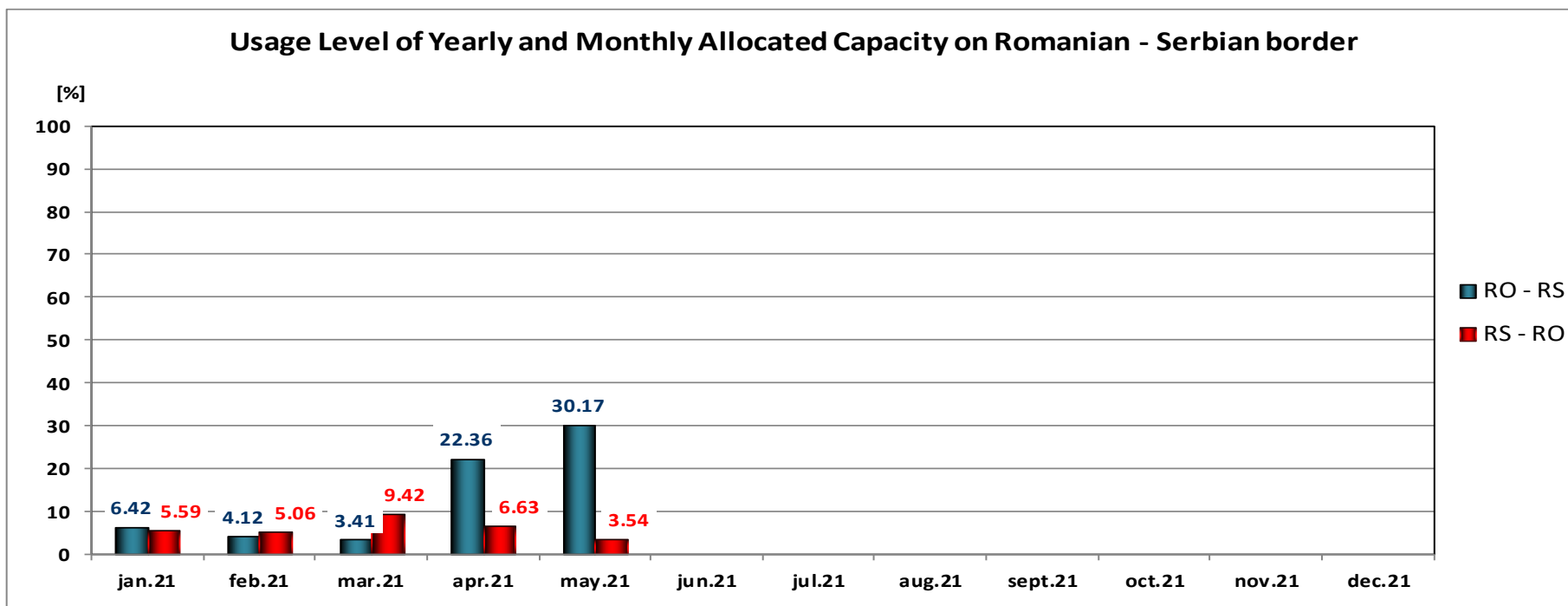


Daily Level of Usage [%]

May 2021	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	60.47	34.43	25.29	32.65	21.90	48.87	35.73	34.29	18.28	40.58	58.51	35.78	26.90	37.05	20.11	15.76	30.50	11.58	28.71	34.24	16.36	28.25	16.45	30.01	17.96	13.32	28.04	15.39	17.53	17.00	11.17
Export	9.12	28.48	35.05	24.99	34.70	11.31	22.91	27.44	39.54	12.73	3.54	12.94	17.48	12.95	17.56	22.75	14.30	45.91	24.82	15.85	34.24	25.38	50.65	20.83	12.67	20.80	11.82	34.14	31.81	34.35	38.38

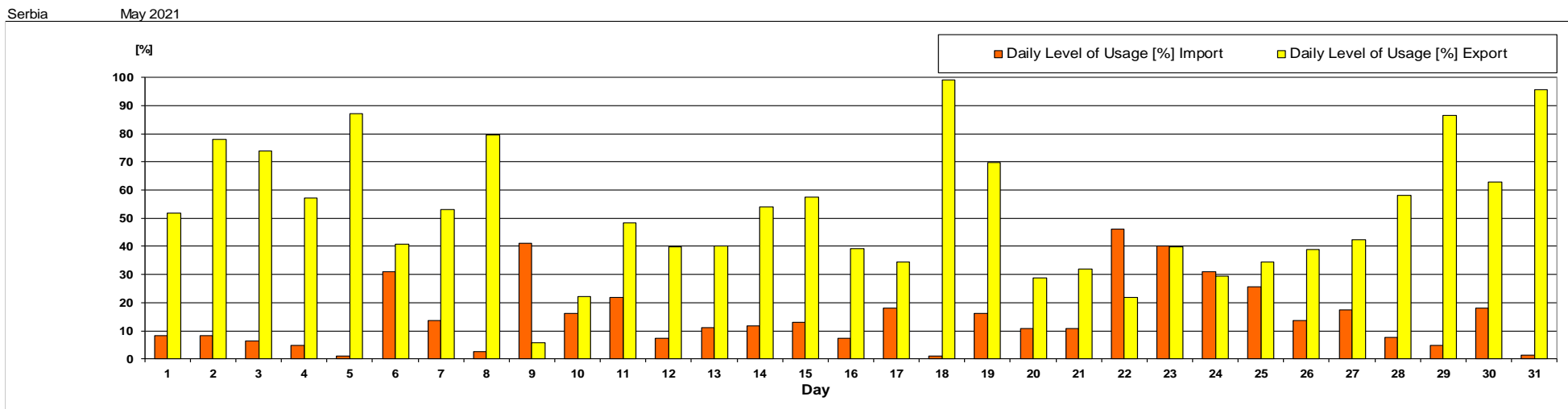
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 27.16 [%]
- Export 24.22 [%]



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

From the beginning of the year, the average values (arithmetic) of usage level are: 13.3% on export direction and 6.05% on import direction.

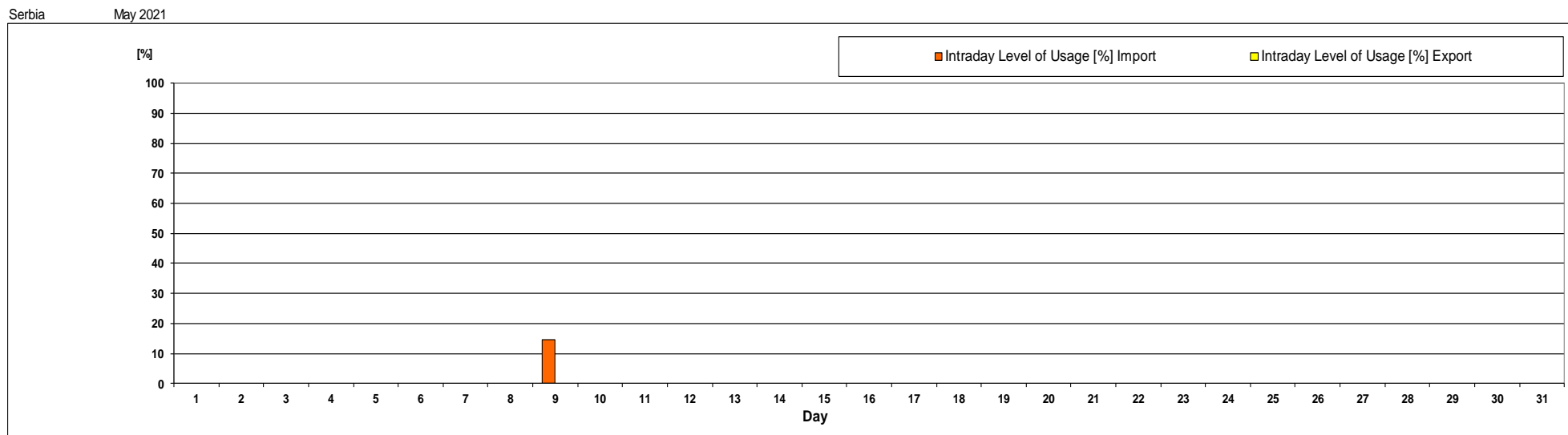


Daily Level of Usage [%]

	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
May 2021																															
Import	8.33	8.40	6.35	4.94	0.96	30.89	13.52	2.74	40.95	16.05	21.82	7.22	11.28	11.78	13.10	7.20	18.22	1.07	16.06	10.81	10.83	46.17	40.02	31.12	25.51	13.73	17.38	7.63	4.92	18.01	1.40
Export	51.83	77.86	73.87	57.05	87.25	40.86	53.17	79.56	5.93	22.26	48.21	39.76	40.17	54.15	57.57	39.21	34.33	99.01	69.82	28.84	31.84	21.92	39.87	29.50	34.40	38.86	42.49	58.11	86.36	62.71	95.77

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 14.29 [%]
- Export 48.72 [%]



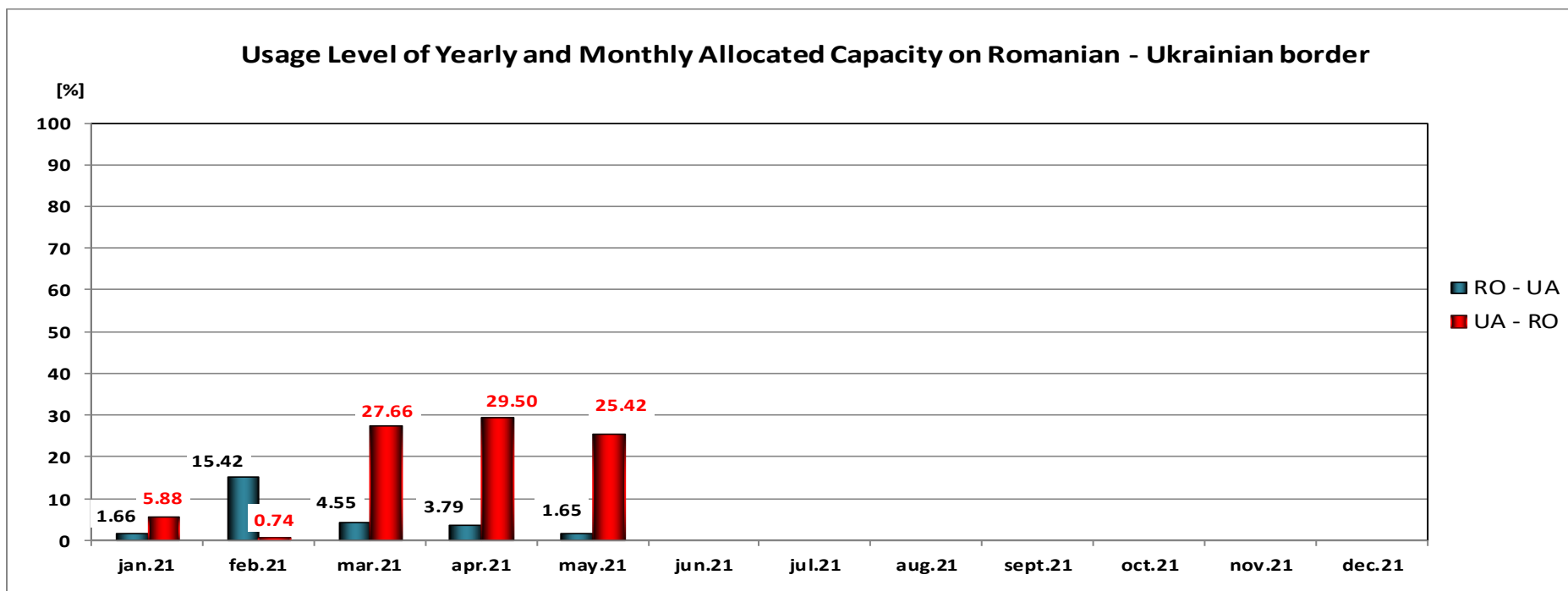
Intraday Level of Usage [%]																															
May 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	-	-	-	-	-	-	-	-	14.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 14.59 [%] (capacity was requested only for 09.05.2021)
- Export - [%] (there was no request of 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.

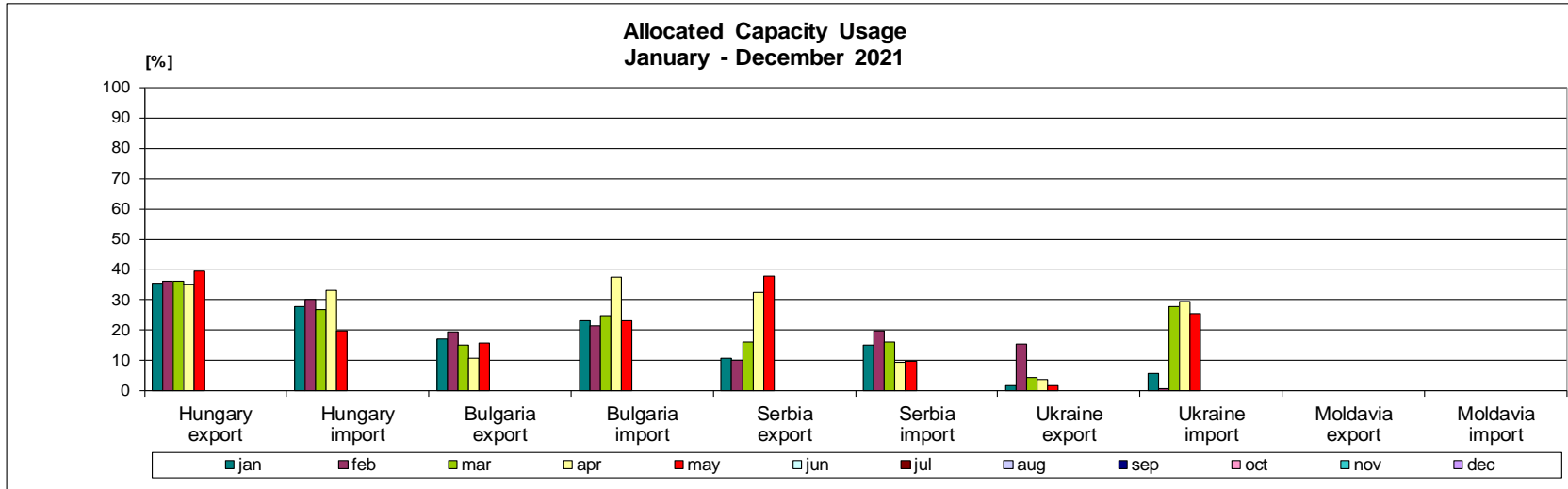
From the beginning of the year, the average values (arithmetic) of usage level are: 5.41% on export direction and 17.84% on import direction.

# Market for Allocation of Cross-Border Capacities



**Transelectrica®**  
Societate Administrată în Sistem Dualist

## 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	35.56	27.69	17.23	23.10	10.85	15.28	1.66	5.88	-	-
feb	36.00	30.23	19.44	21.46	10.22	19.72	15.42	0.74	-	-
mar	36.22	26.88	15.24	24.69	16.06	16.21	4.55	27.66	-	-
apr	35.25	33.31	10.94	37.36	32.59	9.41	3.79	29.50	-	-
may	39.60	19.88	15.67	23.01	37.98	9.68	1.65	25.42	-	-
jun										
jul										
aug										
sep										
oct										
nov										
dec										
<b>average</b>	<b>36.53</b>	<b>27.60</b>	<b>15.70</b>	<b>25.92</b>	<b>21.54</b>	<b>14.06</b>	<b>5.41</b>	<b>17.84</b>	-	-

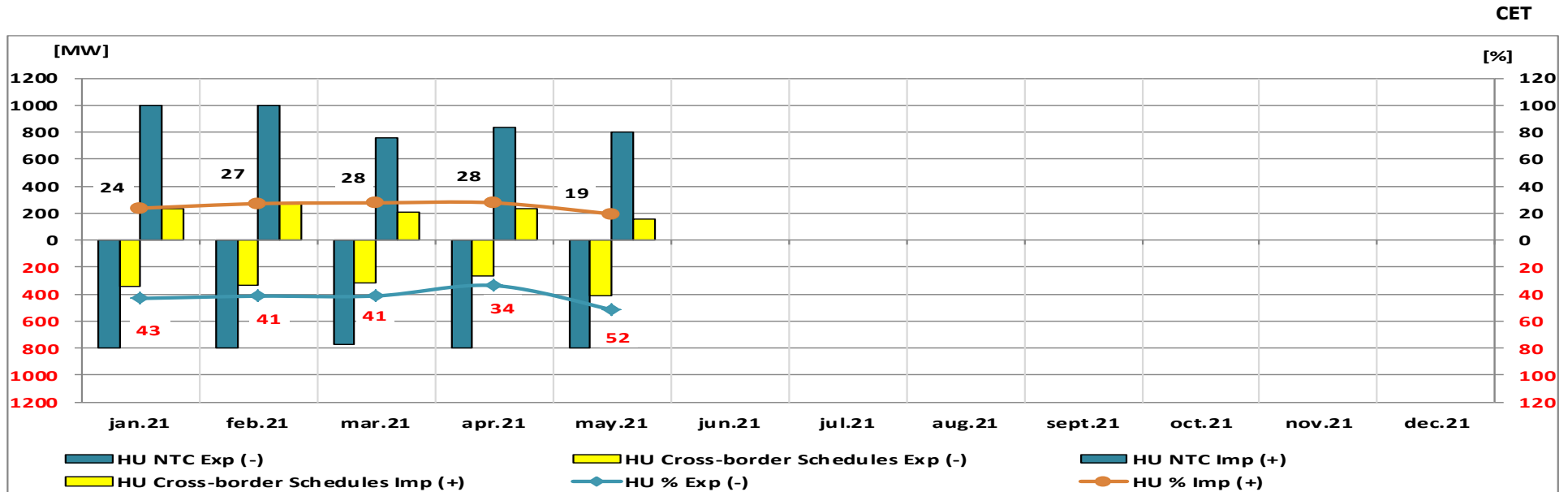
In May 2021, it was noticed a low level of capacity usage. The highest level of usage was on export direction to Hungary.



Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Hungarian border



Hungary (monthly averages values, MW)	jan.21	feb.21	mar.21	apr.21	may.21	jun.21	jul.21	aug.21	sept.21	oct.21	nov.21	dec.21	sum
HU NTC Exp (-)	-800	-800	-768	-800	-800								-3968
HU Cross-border Schedules Exp (-)	-345	-332	-317	-269	-413								-1676
HU NTC Imp (+)	1000	1000	759	833	799								4391
HU Cross-border Schedules Imp (+)	237	271	210	231	155								1104

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: 42.22% on export direction and 25.12% on import direction.

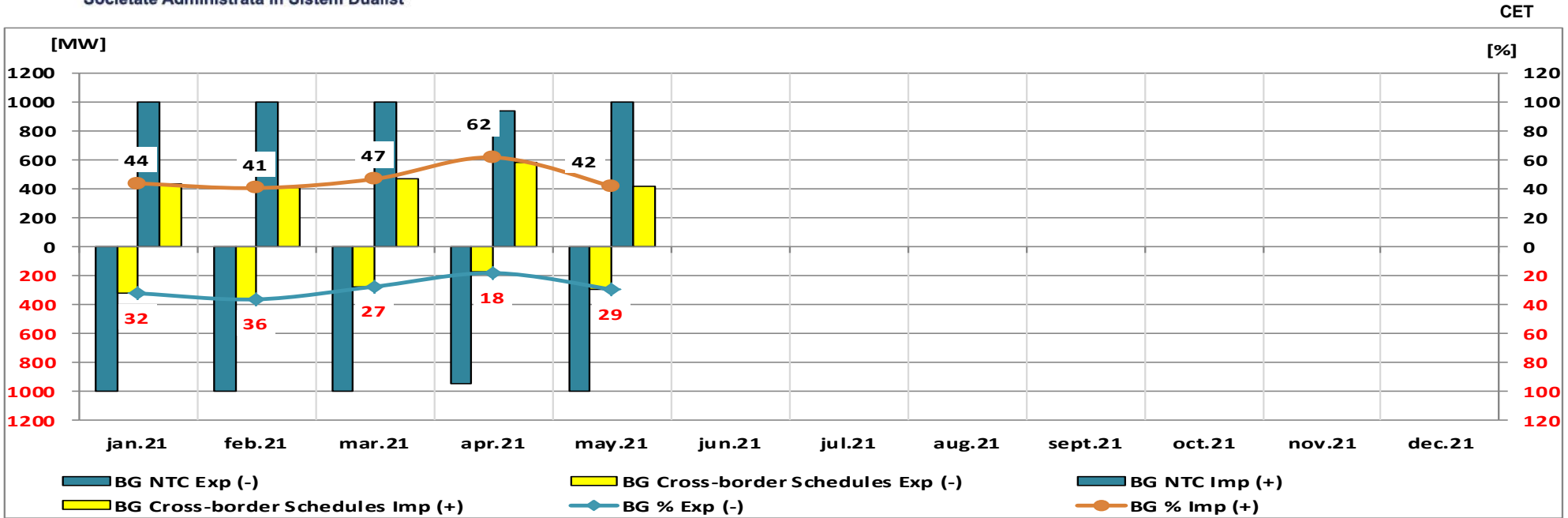


Transelectrica®

Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Bulgarian border



Bulgaria (monthly averages values, MW)	jan.21	feb.21	mar.21	apr.21	may.21	jun.21	jul.21	aug.21	sept.21	oct.21	nov.21	dec.21	sum
BG NTC Exp (-)	-1000	-1000	-1000	-943	-1000								-4943
BG Cross-border Schedules Exp (-)	-321	-362	-274	-170	-294								-1421
BG NTC Imp (+)	1000	1000	1000	943	1000								4943
BG Cross-border Schedules Imp (+)	440	408	471	585	419								2322

The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 28.62% on export direction and 47.15% on import direction.

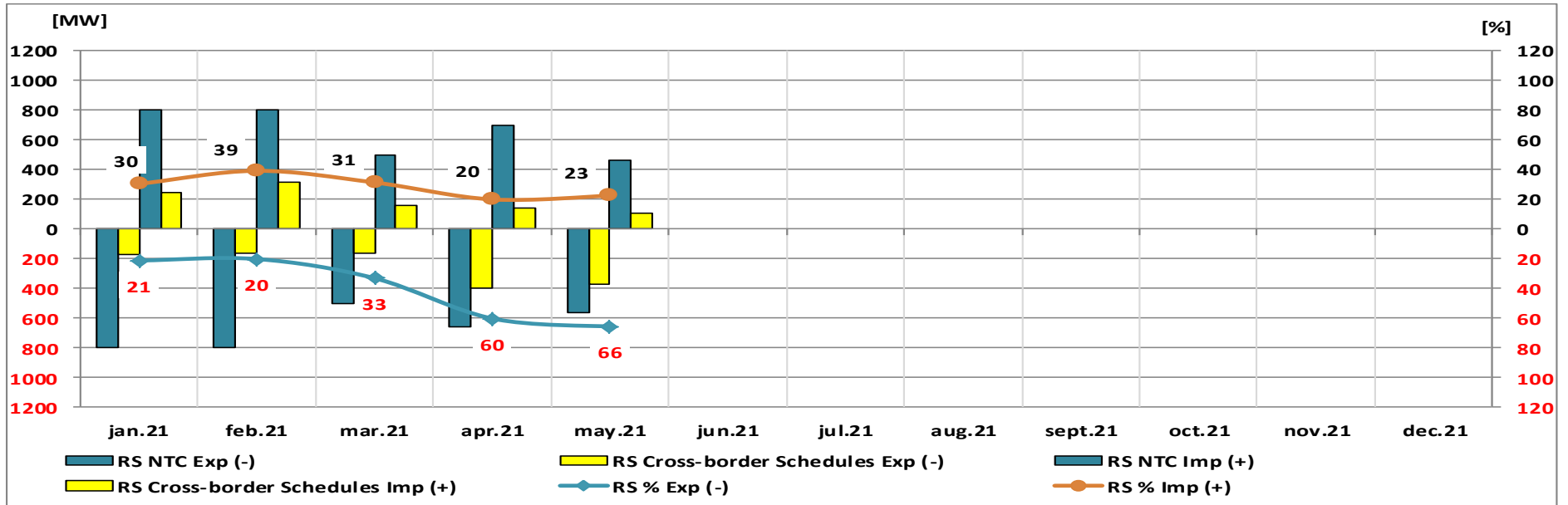


Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Serbian border

CET



Serbia (monthly averages values, MW)	jan.21	feb.21	mar.21	apr.21	may.21	jun.21	jul.21	aug.21	sept.21	oct.21	nov.21	dec.21	sum
RS NTC Exp (-)	-800	-800	-500	-657	-561								-3318
RS Cross-border Schedules Exp (-)	-169	-161	-165	-395	-368								-1259
RS NTC Imp (+)	800	800	500	700	465								3265
RS Cross-border Schedules Imp (+)	244	314	157	140	105								959

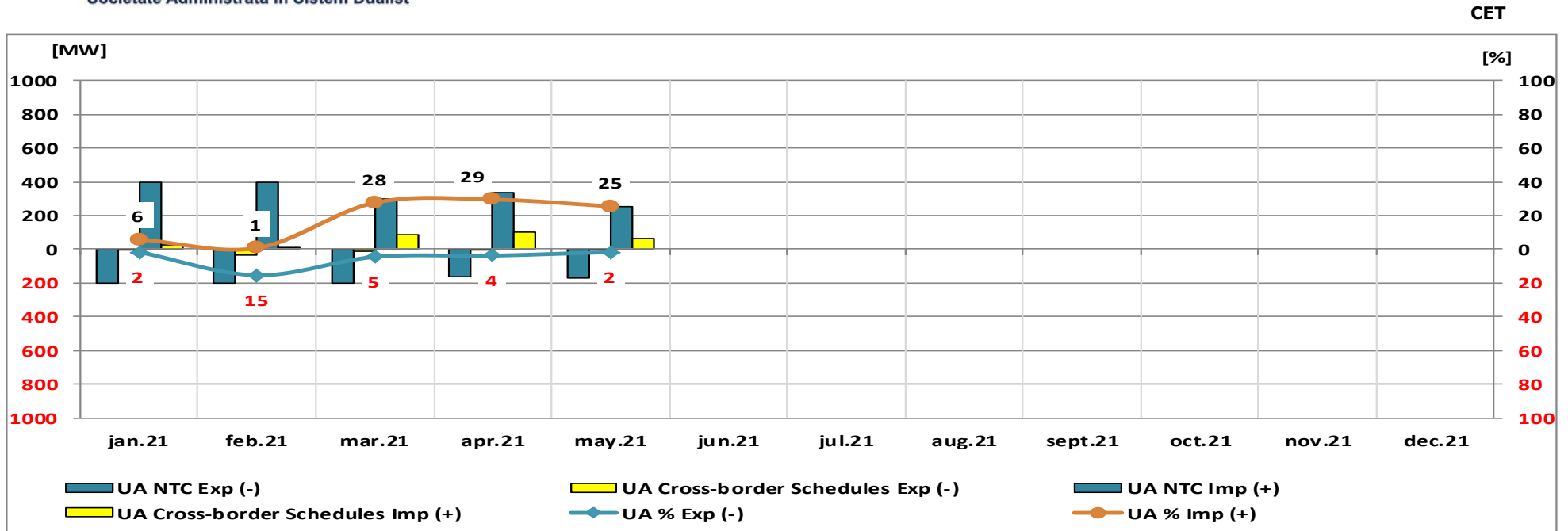
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC. From the beginning of the year, the average values (arithmetic) of usage level are: 40.04% on export direction and 28.73% on import direction.



Transelectrica®  
Societate Administrată în Sistem Dualist

# Market for Allocation of Cross-Border Capacities

## Usage Level of NTC on Romanian – Ukrainian border



Ukraine (monthly averages values, MW)	jan.21	feb.21	mar.21	apr.21	may.21	jun.21	jul.21	aug.21	sept.21	oct.21	nov.21	dec.21	sum
UA NTC Exp (-)	-200	-200	-200	-167	-168								-934
UA Cross-border Schedules Exp (-)	-3.3	-30.8	-9.1	-6.3	-2.8								-52
UA NTC Imp (+)	400	400	300	333	252								1685
UA Cross-border Schedules Imp (+)	24	3	83	98	64								272

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: 5.41% on export direction and 17.84% on import direction.



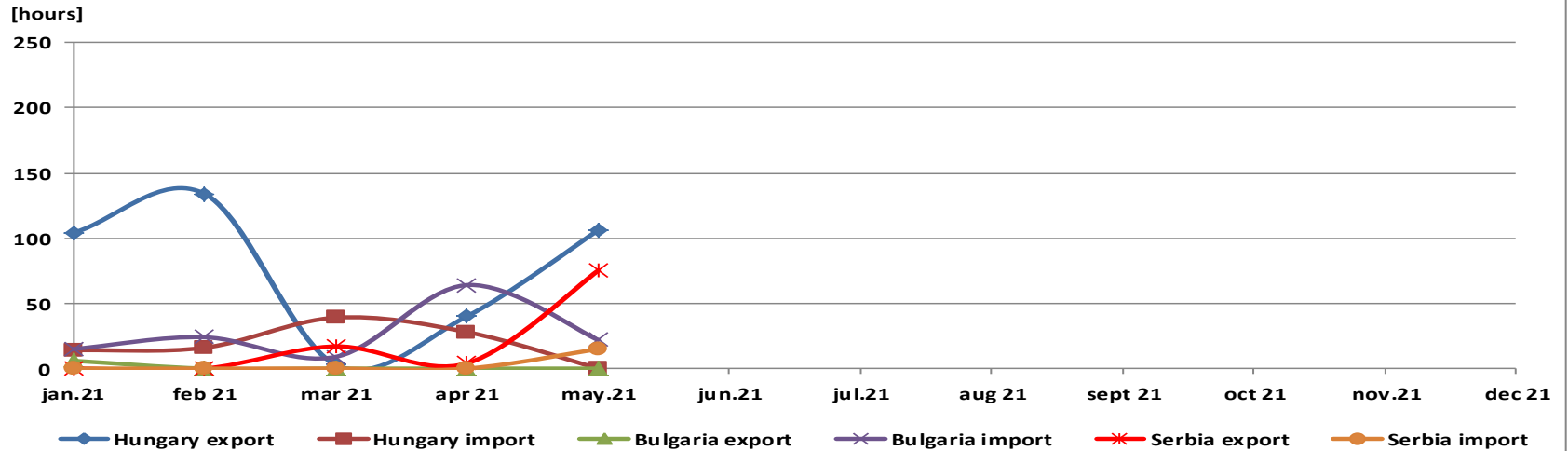
Transelectrica®  
Societate Administrată în Sistem Dualist

# 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.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	104	134	3	40	106							
Hungary import	14	16	39	28	0							
Bulgaria export	6	0	0	0	0							
Bulgaria import	15	24	9	64	22							
Serbia export	0	0	17	4	75							
Serbia import	0	0	0	0	15							

By making efficient use of the interconnection (applying “netting” principle in daily and intra-day offered capacity calculation) there are some hours in which sum of nominated cross-border schedules is higher than the NTC.

## Synthesis (C1, C3, HHI) on type of auction and total values

May 2021

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
<i>Hungary import</i>	51.58	78.51	3176	44.64	71.43	2538	-	-	-	-	-	-	28.62	58.82	1539
<i>Hungary export</i>	49.14	67.71	2720	35.71	70.71	2048	-	-	-	-	-	-	27.30	55.87	1382
<i>Bulgaria import</i>	22.56	48.87	1202	19.83	44.47	1032	19.25	47.69	1124	-	-	-	15.17	37.96	753
<i>Bulgaria export</i>	22.61	46.48	1119	14.64	35.56	815	20.38	50.70	1251	-	-	-	12.88	34.18	682
<i>Serbia import</i>	27.60	57.60	1573	21.04	56.75	1507	22.27	58.37	1514	100.00	100.00	10000	21.09	49.48	1177
<i>Serbia export</i>	35.60	82.80	2500	33.30	65.70	1923	34.73	71.63	2067	-	-	-	24.81	54.88	1311
<i>Ukraine import</i>	50.00	100.00	4398	40.19	75.77	2531	-	-	-	-	-	-	43.46	81.28	2689
<i>Ukraine export</i>	50.00	100.00	5000	33.08	79.81	2461	-	-	-	-	-	-	41.54	89.90	3360
<i>Moldavia import</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- On the Hungarian border the implicit daily allocation is done through the market coupling mechanism of CZ-SK-HU day-ahead electricity markets (starting with 20.11.2014) and implicit intraday allocation is organized due to 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 due to the integration of Romanian intraday market in SIDC (Single Intra-Day Market) (starting with 20.11.2019).





**Email: [Monitorizare.Piata@transelectrica.ro](mailto:Monitorizare.Piata@transelectrica.ro)**

**Fax: 021 3035630**