



Transelectrica®
Societate Administrată în Sistem Dualist

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

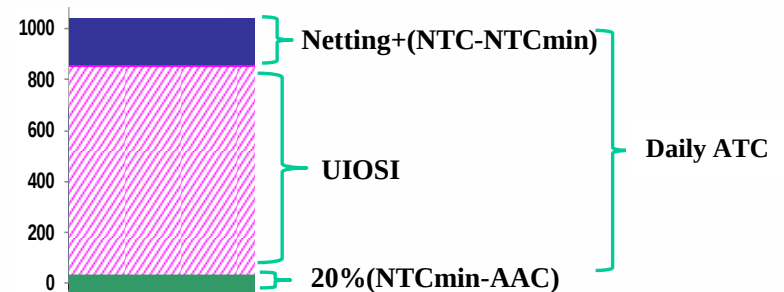
August 2017

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

According to the Commercial Code, 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 bases, Transelectrica prepares daily, weekly and monthly monitoring reports. A part of the data included in these reports (those data which are not confidential) is published on the website **www.transelectrica.ro**

- According to the agreements between Transelectrica and neighbors for year 2017 :
 - ✓ on the Bulgarian border, the bilateral coordinated allocation is done for 100% of total capacity by Transelectrica for long term auctions and by ESO EAD for daily auctions. The “netting” principle is applied to daily allocation. Starting with 01.01.2015, intraday auctions are no longer organized on the Bulgarian border, since the Bulgarian market rules are not allowing intraday cross-border exchanges, modifications of the notified schedules after 15:30 (CET) in D-1 for day D are prohibited.
 - ✓ on the Hungarian border, the bilateral coordinated allocation, is done for 100% of total capacity by MAVIR for long term auctions (based on Allocation Rules for Forward Capacity Allocation (HAR) and border specific Annex) and by Transelectrica for intra-day auctions. Implicit daily allocations are held since the CZ-SK-HU-RO day-ahead market coupling. In the event of decoupling, MAVIR is in charge with the explicit daily auctions (shadow auctions) for RO-HU border. The “netting” is applied to daily and intra-day allocation.
 - ✓ on the Serbian border, the bilateral coordinated allocation, is done for 100% of total capacity by EMS (Serbia) for daily auctions and by Transelectrica for long term daily and intra-day auctions. The “netting” is applied to daily and intra-day allocation. Starting with 01.01.2017 it was introduced UIOSI („ use it or sell it”) principle.
 - ✓ due to consultation with interconnection partners and regulators and taking into account auction participant opinions, on the Hungarian and Bulgarian borders it was agreed:
 - ✓ 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;
 - ✓ introduction of UIOSI („ use it or sell it”) principle.





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- Transelectrica's auctions are held on Damas platform, with euro currency trading.
- Long term auction results on the Hungarian border and daily auction results on the Bulgarian and Serbian borders (auction prices, allocated capacities) are provided by the respective TSO's.
- The intra-day allocation is done in six auction sessions for time intervals: 00:00-04:00, 04:00-08:00, 08:00-12:00, 12:00-16:00, 16:00-20:00, 20:00-00:00 CET.
- Usage of allocated capacity on Ukrainian and Moldavian border is restricted by Ukrainian TSO agreement and respectively by the approval of the distribution operator of the passive consumption islands.
- In August, auctions were held as:
 - import Hungary*: 01 – 31.08.2017;
 - export Hungary: 01 – 06.08.2017; 07 – 18.08.2017; 19.08.2017; 20.08.2017; 21 – 27.08.2017; 28 – 31.08.2017;
 - import/export Bulgaria*: 01 – 31.08.2017;
 - import Serbia: 01 – 04.08.2017; 05 – 31.08.2017;
 - export Serbia: 01 – 09.08.2017; 10 – 19.08.2017; 20.08.2017; 21.08.2017; 22 – 27.08.2017; 28 – 31.08.2017;
 - import Ukraine: 01 – 04.08.2017; 10 – 11.08.2017; 12 – 20.08.2017; 21 – 25.08.2017; 26 – 27.08.2017; 28 – 31.08.2017.
- In August there were no auctions held on import direction from Moldavia. ATC was zero at monthly auction on export direction to Ukraine during the period 01 – 31.08.2017 and on import direction from Ukraine during the period 15 – 30.04.2017, due to full allocation of capacity at yearly auction.

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



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- Due to lack of request from participants, there was capacity not allocated at monthly auction as it follows:
 - on import direction from Serbia:
 - 176 MW during the period 01 – 04.08.2017;
 - 476 MW during the period 05 – 31.08.2017;
 - on import direction from Ukraine:
 - 60 MW during the periods 01 – 04.08.2017 and 12 – 20.08.2017;
 - 110 MW during the period 21 – 25.08.2017;
 - 10 MW during the period 28 – 31.08.2017.

Monthly auction Results of 01 – 31 August 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Allocated	Final Rights*
Hungary export										
01 - 06 August 2017	1.72	800	700	350	350	0	280	1690	280	630
07 - 18 August 2017	1.72	750	650	300	350	0	240	1690	239	589
19 August 2017	1.72	800	700	350	350	0	280	1690	280	630
20 August 2017	1.72	650	550	200	350	0	160	1690	158	508
21 - 27 August 2017	1.72	500	400	50	350	0	40	1690	39	389
28 - 31 August 2017	1.72	600	500	150	350	0	120	1690	117	467
Hungary import										
01 - 31 August 2017	0.10	800	700	351	349	0	280	1154	280	629
Bulgaria export										
01 - 31 August 2017	0.55	350	250	150	100	-	120	455	120	220
Bulgaria import										
01 - 31 August 2017	2.31	400	300	200	100	-	160	696	160	260

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

Monthly auction Results of 01 – 31 August 2017

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Serbia export										
01 - 09 August 2017	2.26	450	350	150	200	-	150	582	150	350
10 - 19 August 2017	1.48	600	500	300	200	-	300	686	300	500
20 August 2017	1.51	550	450	250	200	-	250	676	250	450
21 August 2017	1.83	450	350	150	200	-	150	576	150	350
22 - 27 August 2017	2.11	350	250	50	200	-	50	357	50	250
28 - 31 August 2017	1.39	550	450	250	200	-	250	626	250	450
Serbia import										
01 - 04 August 2017	0.00	600	500	350	150	-	350	174	174	324
05 - 31 August 2017	0.00	900	800	650	150	-	650	174	174	324
Ukraine export										
01 - 31 August 2017	-	150	50	0	50	-	0	-	-	50
Ukraine import										
01 - 04 August 2017	0.00	450	350	300	50	-	300	240	240	290
05 - 09 August 2017	-	150	50	0	50	-	0	-	-	50
10 - 11 August 2017	0.03	300	200	150	50	-	150	165	150	200
12 - 20 August 2017	0.00	450	350	300	50	-	300	240	240	290
21 - 25 August 2017	0.00	500	400	350	50	-	350	240	240	290
26 - 27 August 2017	0.20	250	150	100	50	-	100	140	100	150
28 - 31 August 2017	0.00	350	250	200	50	-	200	190	190	240
Moldavia export										
01 - 31 August 2017	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 30 August 2017	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti	-	-	-	-	-	-	-	-	-	-
01 - 30 August 2017	-	-	-	-	-	-	-	-	-	-
RO_Costesti	-	-	-	-	-	-	-	-	-	-
01 - 30 August 2017	-	-	-	-	-	-	-	-	-	-
RO_Cioara	-	-	-	-	-	-	-	-	-	-

- final rights = monthly allocated capacity + yearly allocated capacity after withdrawals.

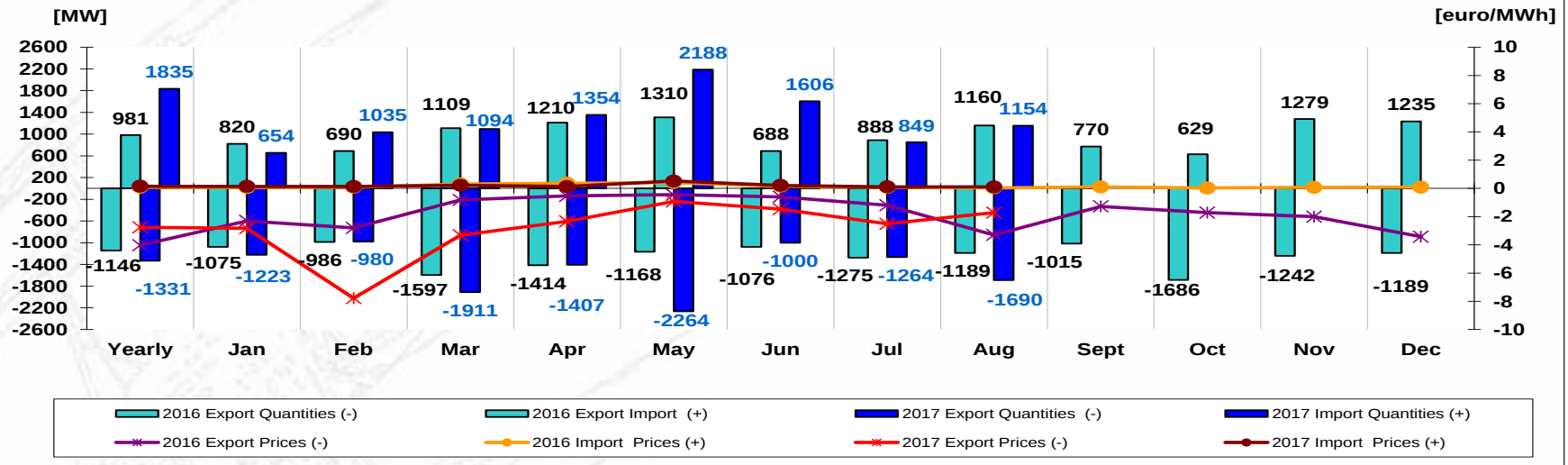


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Market for Allocation of Cross-Border Capacities

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



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Hungary export	2.76	2.82	7.78	3.32	2.34	0.92	1.47	2.51	1.72				
Hungary import	0.15	0.14	0.13	0.22	0.13	0.52	0.21	0.11	0.10				

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Hungary export	4.03	2.30	2.80	0.82	0.53	0.45	0.60	1.20	3.30	1.28	1.72	2.01	3.42
Hungary import	0.08	0.06	0.08	0.31	0.37	0.41	0.15	0.07	0.04	0.10	0.03	0.07	0.09

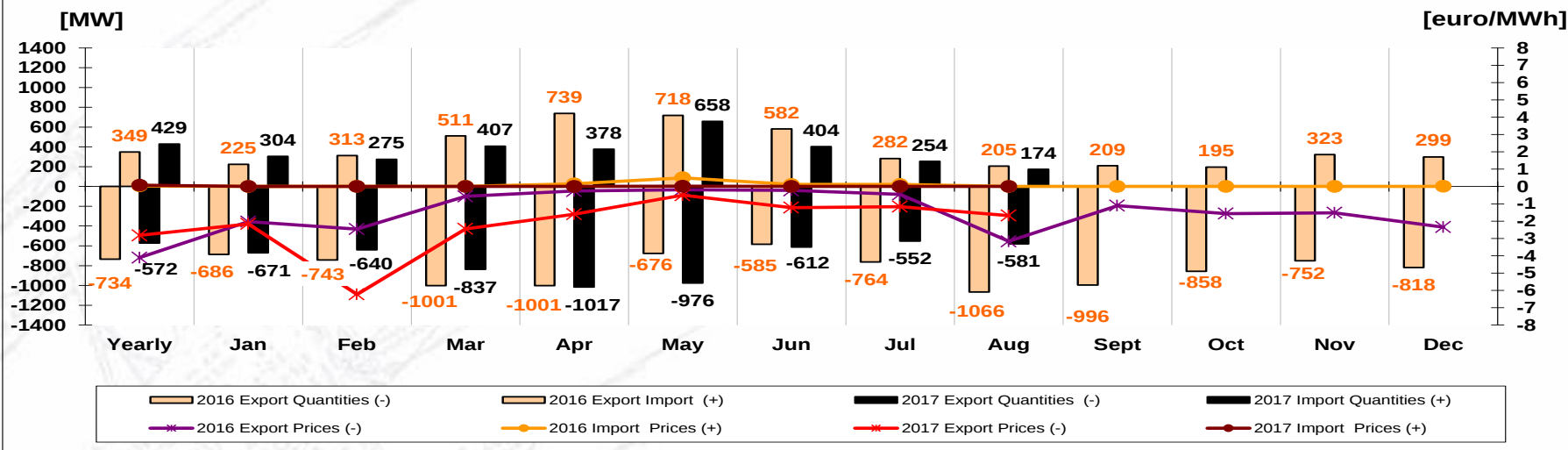
- Compared with previous year, in August 2017 the auction price decreased while offered capacity was lower and capacity request was higher. In August 2017 monthly auction price was still low on import direction.



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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 Serbian border



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Serbia export	2.82	2.16	6.23	2.45	1.60	0.50	1.22	1.16	1.68				
Serbia import	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00				

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Serbia export	4.11	2.03	2.46	0.57	0.26	0.19	0.23	0.46	3.17	1.11	1.56	1.52	2.34
Serbia import	0.03	0.00	0.01	0.01	0.15	0.50	0.12	0.12	0.00	0.00	0.00	0.00	0.01

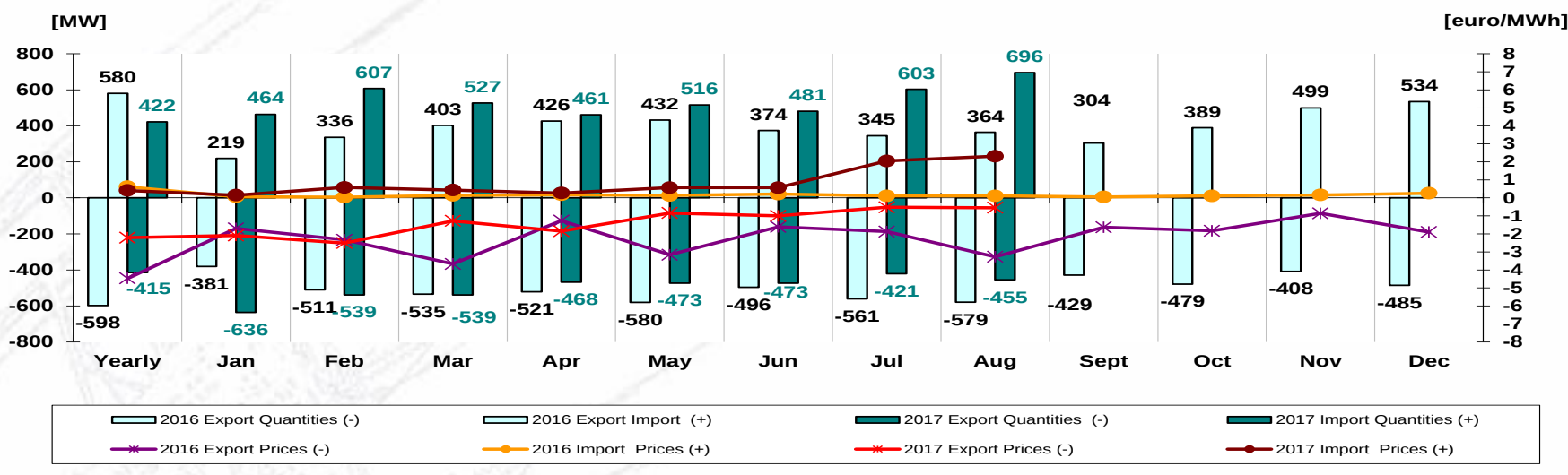
- Compared with the previous year, in August 2017 the auction price decreased on export direction, while offered capacity and capacity request were lower. In August 2017 monthly auction price was zero on import direction.



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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 Bulgarian border**



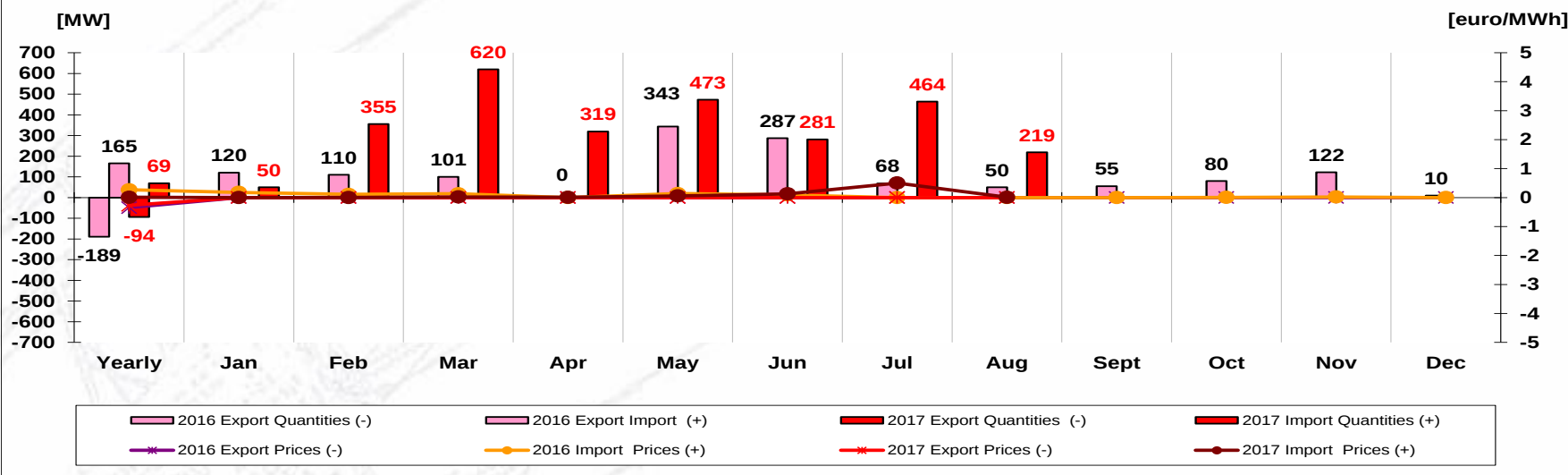
Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Bulgaria export	2.21	2.09	2.51	1.28	1.85	0.84	1.00	0.52	0.55				
Bulgaria import	0.41	0.15	0.58	0.43	0.27	0.57	0.57	2.05	2.31				

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Bulgaria export	4.47	1.70	2.33	3.67	1.27	3.16	1.61	1.87	3.27	1.63	1.83	0.86	1.90
Bulgaria import	0.62	0.06	0.04	0.14	0.17	0.13	0.21	0.11	0.11	0.05	0.11	0.16	0.26

- Compared with the previous year, in August 2017 the auction price decreased on export direction, while offered capacity did not vary and capacity request was lower. On import direction auction price was comparable with the one from previous month and significantly higher than auction price from the same month of previous year, while offered capacity did not vary and capacity request was higher.

Public

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

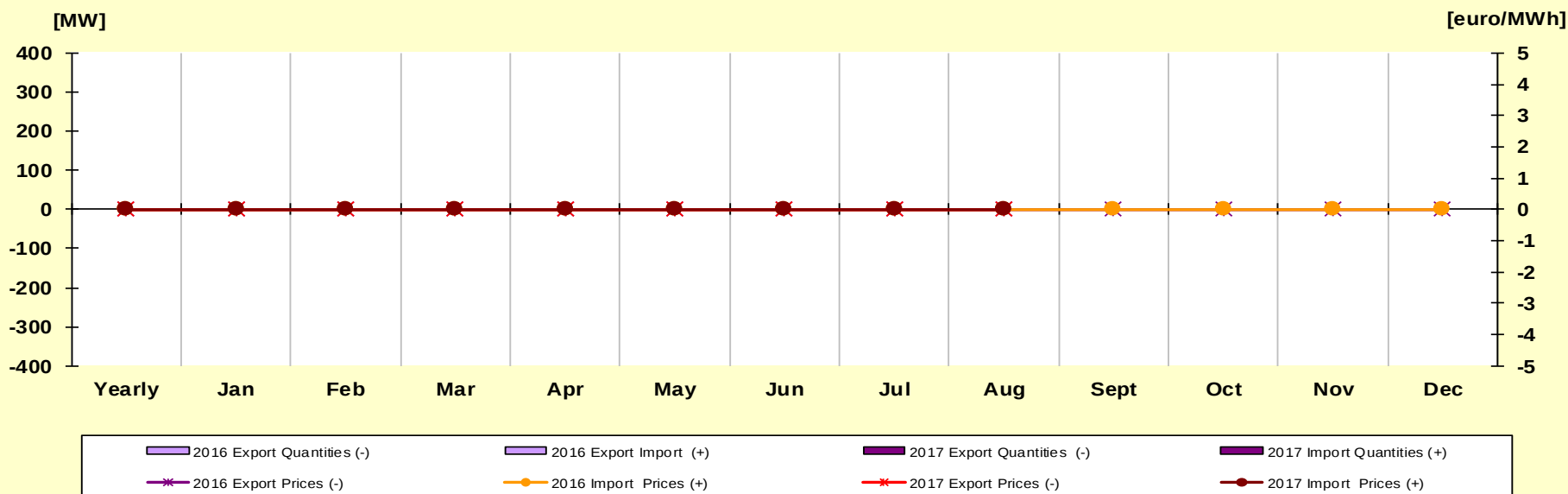


Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Ukraine export	0.27	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine import	0.01	0.00	0.00	0.02	0.01	0.06	0.13	0.50	0.01	-	-	-	-

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Ukraine export	0.35	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine import	0.27	0.18	0.11	0.13	-	0.14	0.09	0.00	0.00	0.00	0.01	0.02	0.00

- Compared with the previous year, in August 2017 capacity request increased on import direction, while offered capacity was higher. The auction price was low on import direction. On export direction offered capacity was zero due to full allocation of capacity at yearly auction.

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



Border	yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

Border	yearly	Jan. 16	Feb.16	Mar.16	Apr.16	May 16	Jun. 16	Jul. 16	Aug. 16	Sept. 16	Oct. 16	Nov.16	Dec. 16
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

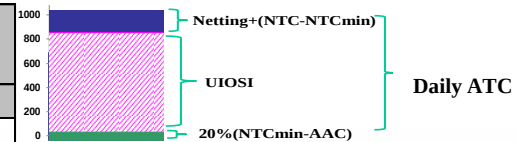
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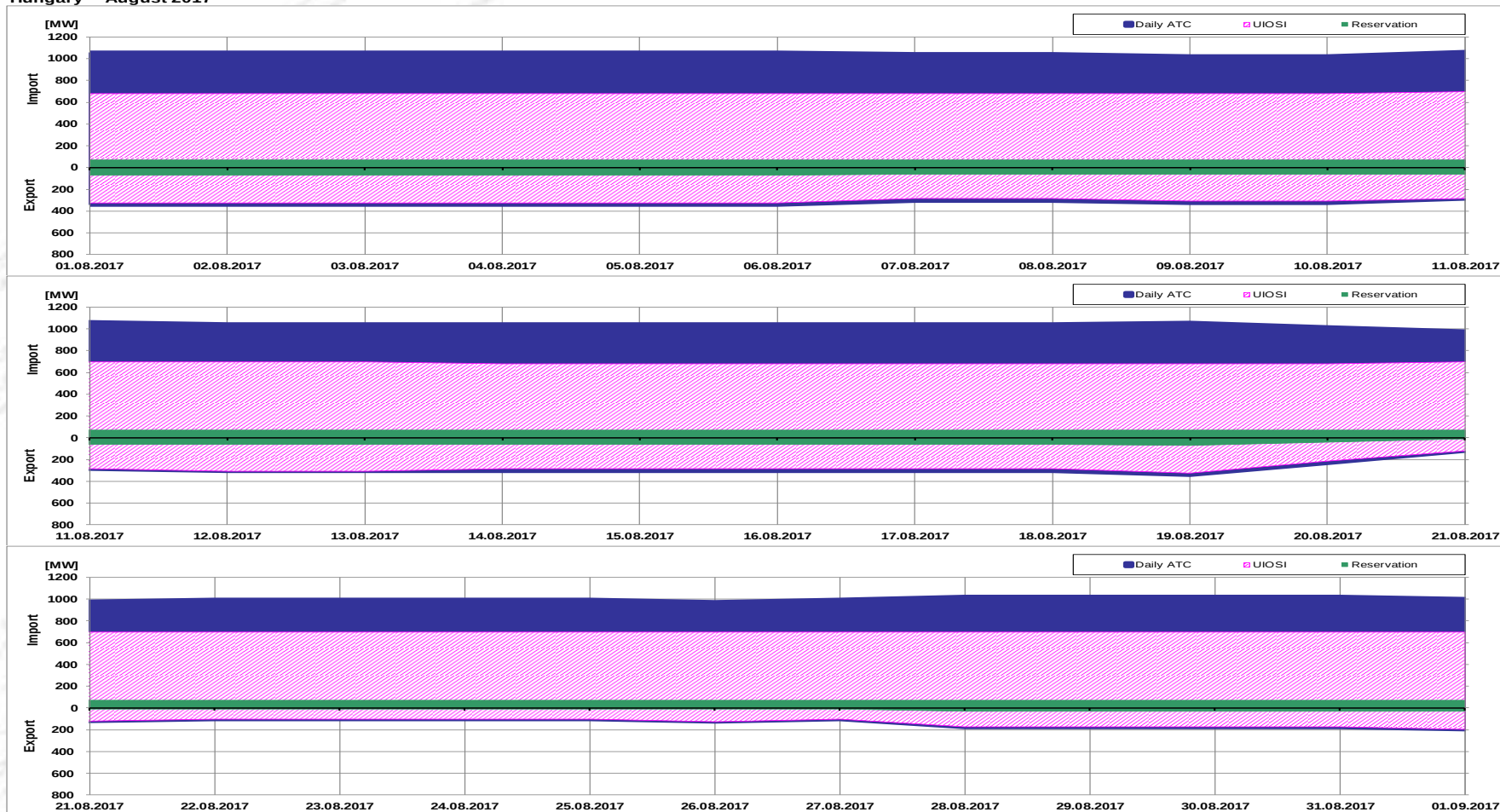
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Daily implicit Auctions on Romanian – Hungarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
46	71	194	618



Hungary August 2017



Public



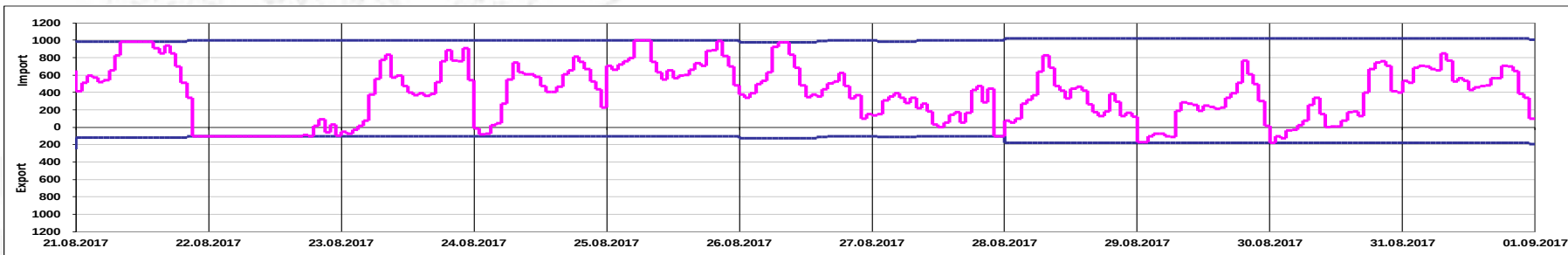
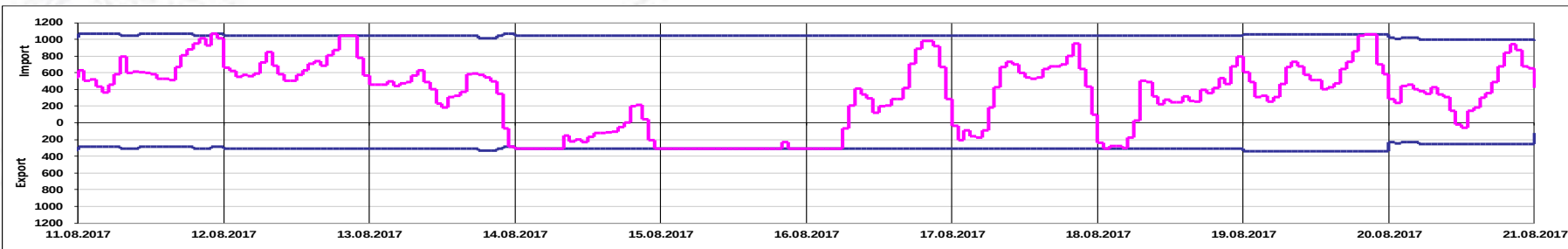
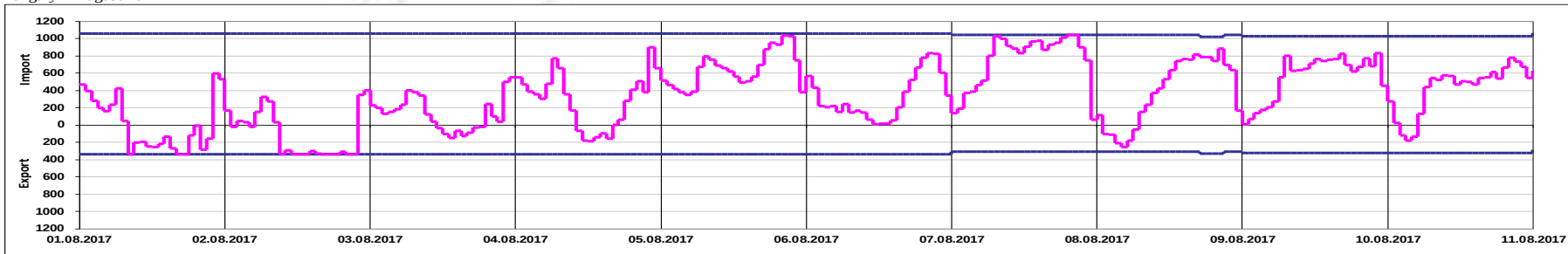
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Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Hungary August 2017



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

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Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

DAM Prices RO [Euro/MWh]

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	56.34	46.62	41.74	39.29	38.94	44.79	53.63	82.13	87.80	87.80	87.80	87.80	87.80	83.94	80.99	85.05	87.80	87.80	87.80	87.80	87.80	87.80	70.46	49.00	87.80
2	50.22	34.13	29.78	27.06	26.32	31.07	34.01	73.99	91.23	94.30	92.11	92.11	92.11	91.23	92.00	92.11	94.30	94.30	94.30	94.95	95.40	94.30	81.14	54.83	95.40
3	60.01	50.03	45.00	41.04	41.02	45.06	56.39	89.96	100.00	105.32	106.02	107.51	107.63	108.29	107.51	108.25	109.70	109.70	109.70	109.70	109.70	109.70	100.00	56.46	109.70
4	69.98	54.80	48.83	43.70	43.56	53.07	62.92	111.00	114.07	120.21	120.66	125.04	125.04	120.66	120.66	122.84	120.66	120.66	120.00	119.09	120.26	115.17	113.04	59.43	125.04
5	69.09	60.08	53.51	50.07	50.03	50.08	51.50	58.95	74.08	87.95	92.10	98.69	93.69	76.48	74.04	75.95	83.08	84.00	91.98	101.09	116.09	99.22	69.90	52.02	116.09
6	54.13	45.09	39.88	29.21	25.26	20.78	28.04	39.88	43.80	46.09	50.18	54.13	54.90	50.18	50.98	50.91	54.91	53.97	57.94	65.97	111.64	70.00	51.87	43.02	111.64
7	29.03	26.08	24.19	23.93	25.94	32.10	45.00	52.01	74.29	100.00	100.00	100.00	120.52	109.57	109.57	120.52	119.43	110.05	107.38	98.61	88.14	65.46	38.62	33.92	120.52
8	35.87	28.27	25.35	23.34	24.26	27.82	35.59	44.79	50.18	51.07	55.39	60.70	67.98	65.08	65.08	69.90	66.05	65.08	70.15	70.12	73.14	62.65	52.37	39.95	73.14
9	35.08	38.91	30.71	30.08	34.11	40.93	45.92	55.10	76.44	108.05	119.37	119.08	116.02	109.51	108.03	107.32	107.32	108.07	108.10	119.01	122.87	107.32	60.02	48.61	122.87
10	51.02	41.51	30.22	29.33	29.76	40.49	50.18	63.94	76.10	75.06	72.09	75.09	100.00	90.00	74.56	74.29	72.09	74.29	90.00	100.00	124.90	100.00	62.89	52.66	124.90
11	45.21	41.12	34.79	32.10	33.19	36.52	42.09	53.99	69.82	63.04	60.70	60.42	62.82	62.82	61.50	69.91	100.00	100.00	100.00	100.00	121.48	109.44	65.01	48.07	121.48
12	52.38	39.29	36.04	33.49	33.15	34.92	38.77	51.80	65.14	74.10	74.75	60.77	56.17	53.99	50.05	50.94	51.96	53.99	58.36	56.17	109.29	65.14	54.99	39.12	109.29
13	29.34	20.96	17.97	16.38	13.35	13.10	19.66	26.98	31.72	38.96	40.67	43.25	44.05	40.19	39.02	40.19	42.19	43.15	44.12	45.88	71.92	47.26	40.91	27.51	71.92
14	21.84	16.38	10.48	6.55	6.55	9.83	19.66	35.97	39.05	38.30	35.61	36.03	40.31	41.12	38.96	40.35	42.69	36.29	37.97	40.28	49.15	36.48	34.42	19.66	49.15
15	19.66	16.38	10.92	10.92	9.17	10.92	7.67	10.92	2.18	2.18	2.18	4.37	4.59	6.55	7.67	10.92	19.66	21.84	34.95	38.71	53.02	38.71	30.58	26.95	53.02
16	15.31	10.94	10.28	9.85	13.13	22.97	36.10	43.07	47.70	50.34	51.71	51.97	54.04	53.94	53.11	54.05	56.56	57.28	60.05	65.19	87.73	63.00	55.06	49.01	87.73
17	36.09	32.09	31.07	29.07	29.06	30.58	33.60	48.00	55.67	57.23	58.63	64.97	71.98	69.79	67.26	64.97	64.97	64.97	62.79	68.06	88.07	64.47	49.43	39.60	88.07
18	40.89	31.05	30.29	29.20	31.05	39.07	45.95	46.54	60.78	64.10	65.96	71.00	73.95	69.75	73.92	76.31	74.12	77.19	74.12	83.03	100.00	65.97	56.41	52.09	100.00
19	49.25	44.43	41.05	38.22	39.07	43.04	44.92	48.90	50.91	53.95	58.49	54.93	47.95	39.90	38.28	38.26	44.96	50.95	56.99	60.06	69.63	60.68	50.03	45.29	69.63
20	22.12	23.19	15.55	12.55	12.10	10.07	8.14	6.86	17.44	19.40	21.79	26.00	21.79	15.26	16.35	16.35	19.62	27.08	34.54	46.10	55.06	50.96	39.01	27.83	55.06
21	30.14	26.41	21.67	21.05	21.53	26.53	40.97	60.59	67.46	71.70	63.70	64.95	69.52	64.95	69.52	64.95	61.96	56.03	55.26	49.91	60.59	40.97	26.37	6.54	71.70
22	7.85	6.54	6.54	6.54	6.54	6.54	24.41	49.91	43.85	46.01	38.79	38.79	40.97	36.61	36.61	40.97	45.51	56.23	54.05	68.03	98.08	73.05	59.91	51.72	98.08
23	45.00	39.01	34.55	33.02	37.60	45.02	54.05	58.41	58.41	71.71	64.09	62.55	66.06	60.59	53.29	52.09	54.05	57.60	60.08	76.07	108.98	71.71	60.09	54.02	108.98
24	50.01	45.09	39.58	37.83	41.20	46.03	49.93	58.94	76.09	71.73	67.23	76.09	93.10	91.35	84.59	81.58	73.92	69.55	64.93	80.02	99.93	61.21	49.93	42.80	99.93
25	47.09	44.85	36.49	38.61	41.20	54.06	65.40	98.10	100.01	99.63	99.68	109.00	124.26	109.02	109.00	100.00	109.00	98.53	98.10	117.72	109.21	64.74	53.05	44.93	124.26
26	51.21	46.06	36	34.65	35.84	39.01	39.41	49.91	49.91	57.06	60.58	68.31	67.99	53.09	49.00	46.78	47.40	46.81	49.91	59.41	70.01	47.96	39.36	36.28	70.01
27	41.22	32.11	26.30	24.91	23.06	23.37	23.00	23.50	29.25	27.92	28.00	36.63	36.63	32.07	32.23	31.74	38.43	36.91	36.63	40.33	57.90	40.46	37.94	34.66	57.90
28	33.00	31.52	30.52	29.94	30.30	33.52	40.57	49.18	69.55	75.62	73.91	77.06	80.88	79.20	85.95	77.34	69.55	58.21	56.03	65.92	96.00	60.04	40.49	34.26	96.00
29	32.93	30.66	30.08	29.03	29.44	32.26	41.79	44.02	50.02	50.09	56.10	60.61	62.57	62.16	60.19	58.86	54.07	54.20	58.86	65.17	85.99	54.25	39.20	37.09	85.99
30	33.94	33.02	30.52	30.25	30.90	36.99	47.65	60.23	56.57	57.00	56.29	56.02	60.06	60.01	60.11	62.45	71.59	64.62	60.11	93.91	101.16	60.02	63.91	44.87	101.16
31	53.52	38.93	31.59	30.88	33.05	46.01	54.36	64.59	79.90	86.98	85.92	86.98	86.98	86.98	80.55	77.60	85.29	79.19	71.55	89.93	98.13	64.59	54.36	43.88	98.13

Average 56.93 EUR/MWh

Public



Transelectrica®

Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily implicit Auctions on Romanian – Hungarian border

Congestion Prices [Euro/MWh]

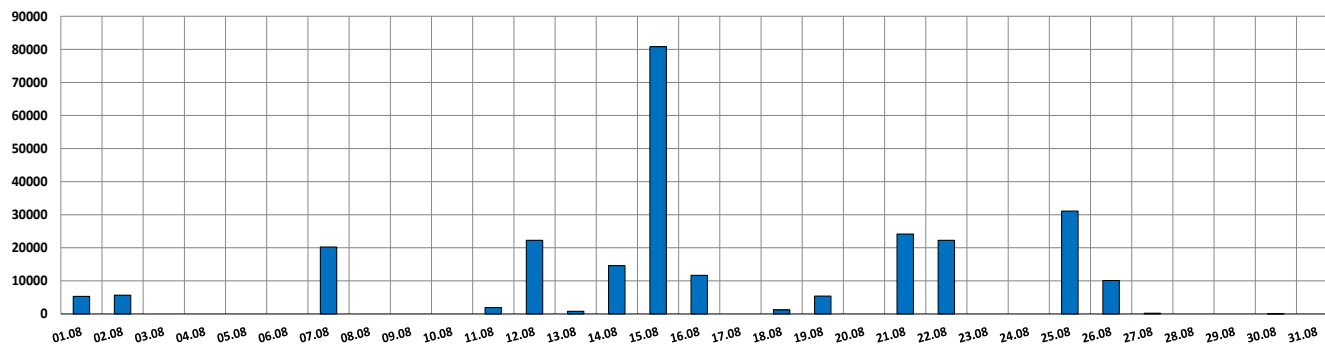
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	-	-	-	-	-	-	-	-	6.62	-	-	-	-	-	-	-	12.20	12.20	-	-	-	-	-	-	12.20
2	-	-	-	-	-	-	-	-	-	3.75	-	5.95	7.89	3.86	-	-	0.11	5.70	0.57	-	4.60	0.72	-	-	7.89
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.60	10.17	-	-	-	28.60
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	-	3.60
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	34.21	8.19	-	-	34.21
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.48	5.48
14	5.64	8.39	12.82	15.66	15.27	14.65	12.59	1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.55	15.66
15	6.40	6.62	9.58	8.89	11.16	12.15	25.33	28.52	39.76	40.75	41.78	41.62	46.18	42.44	36.29	31.12	22.33	25.09	8.44	3.33	-	11.20	18.68	10.54	46.18
16	17.70	17.09	13.74	12.88	10.96	4.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.70
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
18	-	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.02
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.63	1.60	-	-	8.63
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
21	-	-	-	-	-	-	-	-	17.74	13.38	3.74	1.80	8.04	0.32	-	-	-	-	-	-	-	1.91	13.20	26.05	26.05
22	34.53	28.54	21.52	20.41	22.24	27.15	18.61	8.02	13.41	14.17	21.83	35.13	43.00	38.39	35.31	26.99	13.29	-	6.06	-	-	-	-	-	43.00
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
25	-	-	-	-	-	8.55	16.23	37.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.73
26	-	-	-	-	-	-	16.41	4.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.41
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.84	2.00	2.00
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
30	1.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00

Average 15.53 EUR/MWh

Public

Daily implicit Auctions on Romanian – Hungarian border

Congestion Income RO



Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
289612	226133	220908	139576
515745		360485	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
155261	77630

Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.08	10609	5304
02.08	11337	5669
03.08	0	0
04.08	0	0
05.08	0	0
06.08	0	0
07.08	40476	20238
08.08	0	0
09.08	0	0
10.08	0	0
11.08	3830	1915
12.08	44527	22263
13.08	1567	784
14.08	29186	14593
15.08	161629	80815
16.08	23378	11689
17.08	0	0
18.08	2454	1227
19.08	10823	5412
20.08	0	0
21.08	48355	24178
22.08	44574	22287
23.08	0	0
24.08	0	0
25.08	62260	31130
26.08	20142	10071
27.08	399	200
28.08	0	0
29.08	0	0
30.08	196	98
31.08	0	0
Total	515745	257873

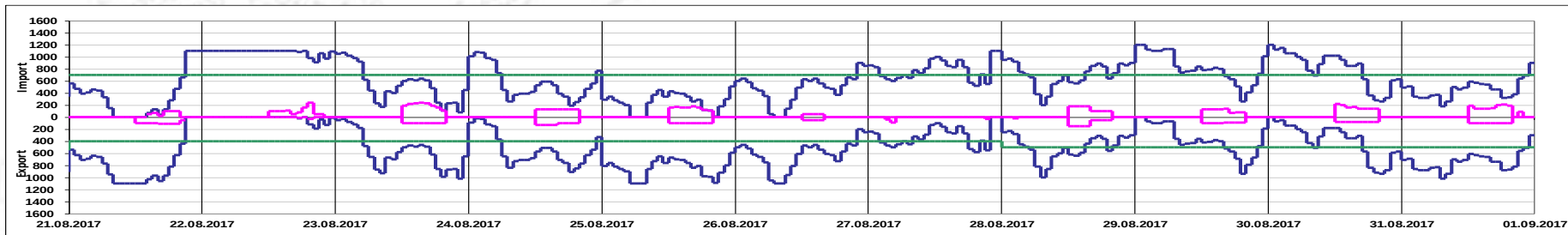
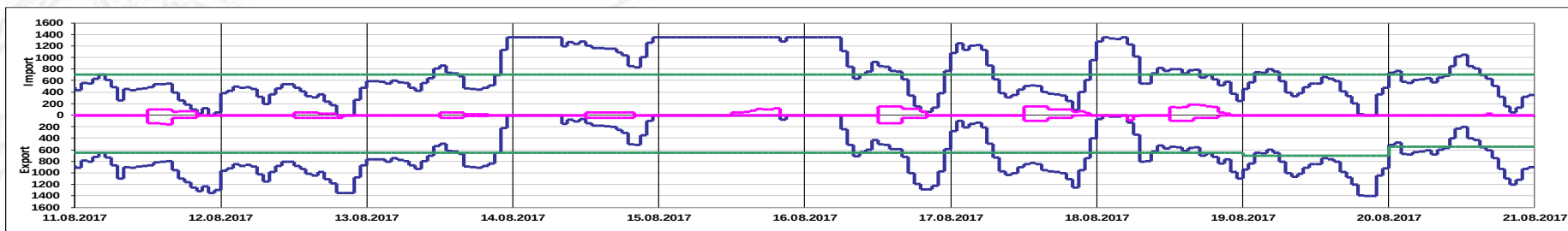
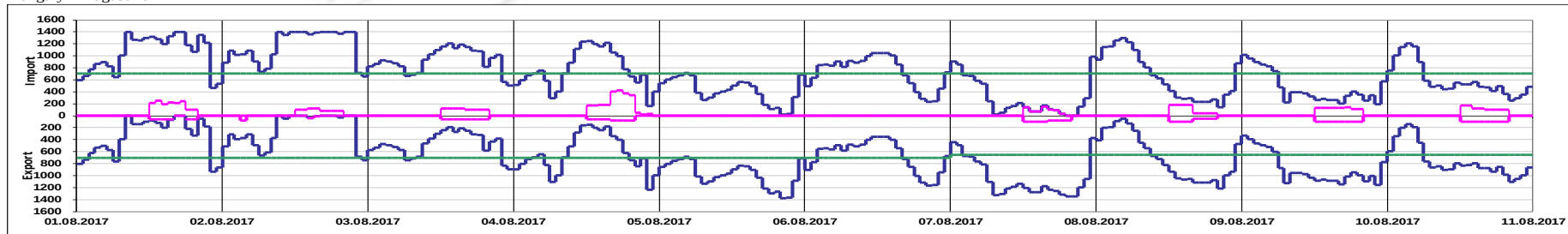


Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Hungary August 2017



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 – Hungarian border

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	-	-	-	0.00	0.10	-	-	-	0.00	-	-	0.00	0.00	0.10
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
14	-	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	0.00
16	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hungary

August 2017

Public



Transelectrica®
Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Hungarian border

Auction Price [Euro/MWh] - Import

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.10	1.10	0.00	0.00	0.01	0.01	-	-	0.00	0.00	0.00	1.10
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	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
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	0.00	0.00	0.00	0.00
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
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.02
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
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hungary August 2017

Public

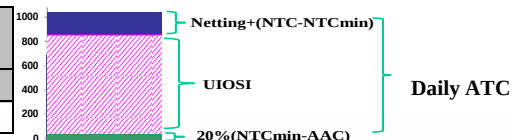
Market for Allocation of Cross-Border Capacities



Transelectrica®
Societate Administrată în Sistem Dualist

Daily Auctions on Romanian – Bulgarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
30	40	202	62



Bulgaria August 2017

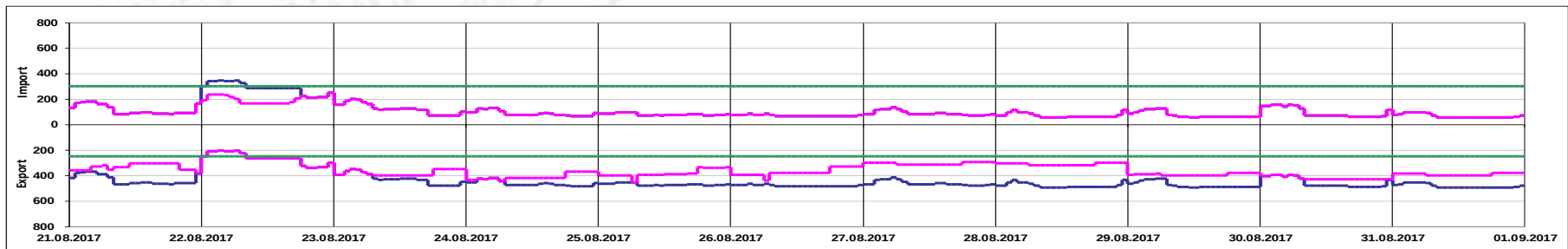
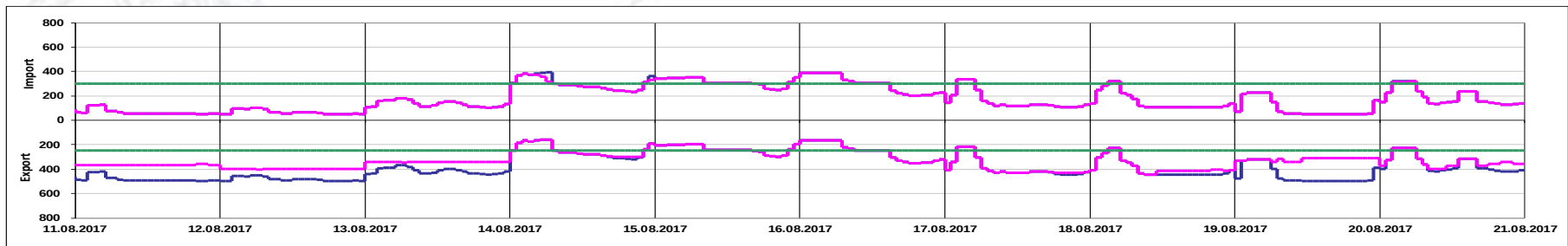
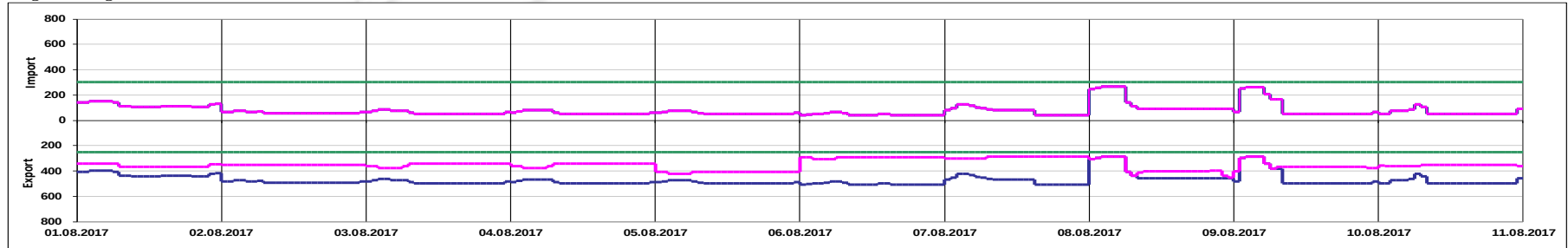




Transelectrica®
Societate Administrată în Sistem Dualist

Daily Auctions on Romanian – Bulgarian border

Bulgaria August 2017



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 – Bulgarian border

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.67	0.69	0.69	0.67	0.69	0.40	0.11	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	0.69
9	0.00	0.03	0.03	0.03	0.03	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	0.03
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.03	1.82	3.14	3.20	0.23	3.79	3.93	3.07	0.23	0.23	0.23	0.20	0.23	0.23	0.23	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.20	2.45	3.93
15	1.47	2.60	4.20	4.20	4.20	2.60	3.00	2.00	2.00	2.09	1.56	1.57	1.56	1.56	1.56	1.23	0.77	0.56	0.36	0.26	0.26	0.26	0.45	1.55	4.20
16	4.00	4.00	5.20	4.68	4.88	3.20	4.00	1.22	1.60	1.60	2.17	1.20	1.20	1.20	1.20	0.55	0.36	0.36	0.36	0.33	0.33	0.33	0.36	0.36	5.20
17	0.03	0.07	1.56	1.42	1.31	0.11	0.05	0.03	0.03	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	1.56
18	0.01	0.03	0.03	0.07	0.06	0.03	0.03	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	0.01	0.07
19	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
20	0.00	0.11	0.33	0.33	0.33	0.33	0.21	0.12	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
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	0.03	0.03
22	7.68	13.02	12.41	12.25	11.16	8.34	6.11	5.55	2.64	2.27	4.17	4.17	5.55	5.55	5.21	5.55	4.17	2.22	0.55	0.09	0.07	0.07	0.07	0.26	13.02
23	0.01	0.01	0.01	0.02	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
24	0.00	0.00	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	0.01
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.01	0.01	0.01	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	0.01
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Bulgaria August 2017

Public



Transelectrica®
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Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Bulgarian border

Auction Price [Euro/MWh] – Import

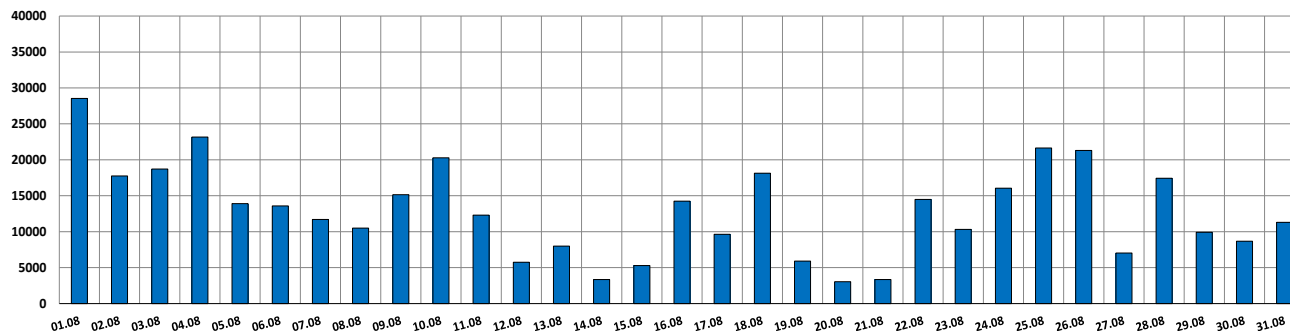
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	5.55	3.96	3.43	2.02	3.33	3.33	3.45	20.20	26.77	30.20	29.57	30.20	30.50	30.50	30.20	30.20	31.72	30.60	35.33	31.91	34.18	35.77	25.05	6.34	35.77
2	6.12	6.66	6.66	6.11	4.12	4.12	3.50	32.20	35.10	35.19	35.19	35.19	35.19	32.98	32.20	36.61	36.61	36.61	36.61	41.40	41.40	41.40	35.56	14.76	41.40
3	10.00	8.57	1.51	1.02	3.21	3.69	4.56	31.55	39.54	41.06	41.06	41.06	40.69	40.69	40.69	41.06	47.17	47.17	47.17	47.17	47.17	46.16	38.00	12.00	47.17
4	15.00	15.00	7.89	6.00	7.65	7.65	7.89	33.55	47.13	49.39	49.98	50.00	50.00	50.00	50.00	53.37	53.37	53.37	53.37	53.37	53.37	53.37	50.00	12.10	53.37
5	16.00	15.00	6.36	6.00	6.00	6.00	7.55	16.00	20.18	23.79	23.79	23.79	23.87	23.68	22.94	25.33	26.55	36.00	36.00	40.27	41.57	40.38	26.00	16.00	41.57
6	22.00	18.00	8.00	8.27	8.27	8.27	8.69	18.00	28.00	28.00	28.00	28.00	28.00	28.00	28.77	28.77	36.77	38.00	38.00	48.00	48.00	48.00	38.00	18.00	48.00
7	0.65	0.42	0.22	0.22	0.22	0.22	0.22	1.72	15.00	24.29	23.26	24.72	23.59	24.00	24.00	25.00	28.84	30.00	32.04	31.82	35.00	29.03	35.00	12.00	35.00
8	0.03	0.03	0.02	0.02	0.03	0.02	0.50	0.56	10.44	11.16	11.16	11.16	11.16	11.16	11.16	12.45	16.16	20.25	21.00	21.26	21.00	21.26	5.11	2.56	21.26
9	2.56	0.66	0.50	0.50	0.50	0.77	2.56	2.56	24.84	36.69	35.32	36.69	37.07	36.69	36.69	36.69	36.69	36.69	41.69	41.69	41.69	41.69	29.00	15.69	41.69
10	10.13	11.44	1.56	1.56	2.12	2.11	2.12	3.69	46.69	49.84	51.51	52.62	51.68	51.51	50.72	50.98	51.39	52.37	53.37	56.37	57.29	52.33	30.56	3.31	57.29
11	5.50	5.00	1.00	1.00	0.77	1.51	2.56	6.55	19.38	20.15	17.78	21.21	21.39	21.21	19.75	19.54	21.21	26.26	34.67	45.00	55.86	44.77	22.10	14.36	55.86
12	5.59	5.00	2.00	2.00	2.00	0.88	0.77	5.00	6.00	6.00	6.00	6.78	6.78	5.23	5.03	6.00	8.00	9.63	14.97	18.99	29.00	26.00	16.00	6.54	29.00
13	5.00	2.00	1.33	1.33	1.33	1.11	1.33	3.50	5.00	5.50	6.00	5.50	5.00	2.97	5.00	5.00	5.01	5.85	7.85	13.36	16.00	16.00	7.50	3.00	16.00
14	0.19	0.03	0.03	0.03	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.23	1.00	1.52	2.01	2.01	1.69	0.23	0.00	2.01
15	0.07	0.07	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.07	0.19	0.33	1.18	1.56	0.66	0.33	0.05	1.56
16	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.88	0.88	0.88	0.88	2.57	4.20	4.20	4.20	5.78	6.90	7.51	8.60	8.60	9.01	9.01	8.60	1.72	9.01
17	1.02	0.52	0.06	0.06	0.06	0.33	0.33	2.12	4.22	4.12	4.22	4.22	4.22	4.12	4.22	4.22	6.80	8.87	15.90	19.22	27.14	17.42	15.15	9.73	27.14
18	1.26	0.52	0.52	0.26	0.50	0.56	2.12	1.23	9.10	11.74	15.51	17.55	20.69	20.69	20.69	17.86	21.01	21.01	21.21	25.17	43.15	29.86	15.15	13.50	43.15
19	5.00	0.55	0.55	0.52	0.55	0.55	2.12	3.00	10.01	14.55	13.65	10.00	10.00	10.00	4.55	4.90	4.95	10.00	12.14	13.01	41.68	12.14	12.00	3.00	41.68
20	0.55	0.07	0.00	0.00	0.00	0.02	0.07	0.33	0.55	0.55	0.47	0.37	0.26	0.03	0.03	0.07	0.37	0.38	4.12	7.00	10.10	10.10	5.22	0.55	10.10
21	0.55	0.19	0.13	0.13	0.13	0.13	0.07	0.46	0.87	2.04	1.22	1.60	0.96	0.96	0.96	1.60	0.56	2.55	16.97	11.12	15.68	15.15	0.55	0.23	16.97
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	0.06	0.07	6.17	0.16	0.07	0.03	6.17
23	1.56	0.50	0.26	0.22	0.22	1.01	0.56	2.50	6.78	10.10	10.10	11.11	12.56	11.57	11.01	10.10	8.48	11.93	12.69	16.16	33.93	20.20	16.16	5.67	33.93
24	8.00	6.00	6.00	2.66	2.01	4.53	4.94	10.03	15.52	20.00	17.00	17.87	18.41	17.65	17.28	17.65	17.70	21.87	27.00	33.10	49.74	37.15	27.46	15.00	49.74
25	12.03	9.91	6.88	7.01	7.63	8.47	7.37	15.53	25.78	26.27	26.53	30.92	38.14	36.15	33.31	28.92	26.27	31.76	32.35	35.23	51.48	35.93	25.83	9.94	51.48
26	15.41	13.22	10.68	10.03	9.81	10.90	12.36	20.84	28.64	34.15	33.30	33.16	34.37	32.75	27.70	28.05	31.22	32.53	34.15	41.15	55.85	33.24	23.00	9.12	55.85
27	1.80	1.80	1.19	1.19	1.19	1.12	1.57	5.82	8.24	11.52	11.22	15.00	12.34	5.55	4.50	7.50	7.50	7.50	13.33	15.15	20.20	10.66	5.55	3.33	20.20
28	4.50	3.33	3.24	3.05	3.33	3.11	12.05	12.64	25.66	31.96	31.55	32.65	40.35	33.56	32.56	31.56	37.54	41.04	37.99	41.31	44.17	35.50	22.30	7.65	44.17
29	1.69	0.30	0.30	0.26	0.26	0.26	0.26	5.58	14.19	15.36	14.77	25.40	25.40	23.85	25.40	24.26	23.39	17.00	16.64	27.00	41.25	18.70	8.98	4.16	41.25
30	0.55	0.55	0.50	0.50	0.50	0.30	1.16	2.93	9.34	8.33	11.40	13.08	12.43	12.54	16.34	13.60	12.43	18.00	21.01	21.20	38.74	27.20	15.03	5.36	38.74
31	6.74	6.00	3.33	3.33	3.33	6.00	7.65	12.03	16.21	19.42	16.87	17.60	17.65	17.17	17.17	18.94	18.09	26.00	24.51	30.30	44.14	26.00	10.33	5.55	44.14

Bulgaria

August 2017

Daily Allocation on Romanian – Bulgarian border

Congestion Income RO



Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
52878	747969	34432	241100
800846		275531	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
525315	262658

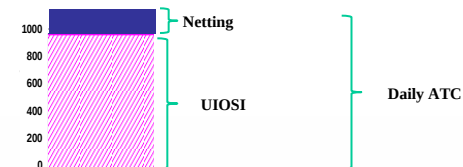
Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.08	57066	28533
02.08	35502	17751
03.08	37422	18711
04.08	46318	23159
05.08	27800	13900
06.08	27151	13575
07.08	23419	11710
08.08	20987	10493
09.08	30297	15148
10.08	40563	20281
11.08	24603	12301
12.08	11505	5752
13.08	15995	7997
14.08	6676	3338
15.08	10559	5279
16.08	28491	14245
17.08	19261	9631
18.08	36276	18138
19.08	11808	5904
20.08	6074	3037
21.08	6706	3353
22.08	28973	14487
23.08	20653	10326
24.08	32117	16058
25.08	43299	21650
26.08	42595	21297
27.08	14081	7040
28.08	34848	17424
29.08	19829	9914
30.08	17360	8680
31.08	22613	11307
Total	800846	400423

Market for Allocation of Cross-Border Capacities

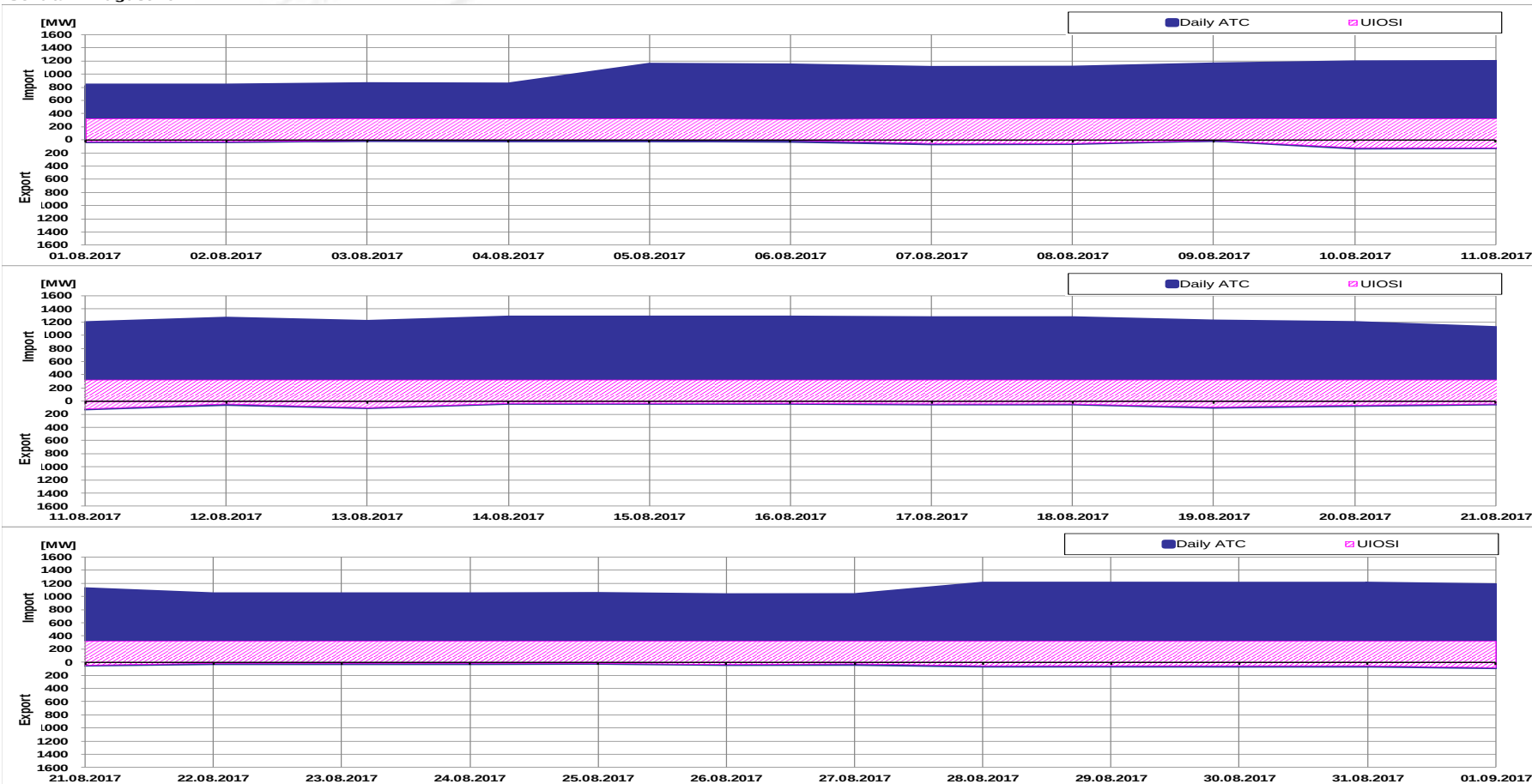


Daily Auctions on Romanian – Serbian border

Unused Capacity [MW] average value	
RO-RS	RS-RO
54	322



Serbia August 2017



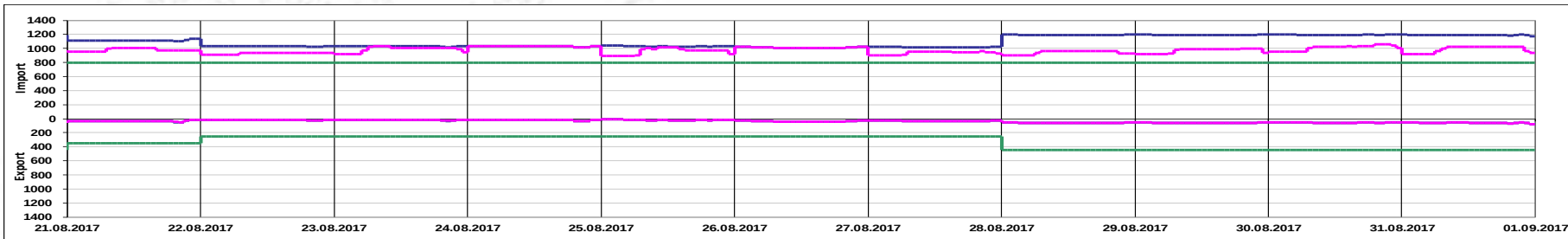
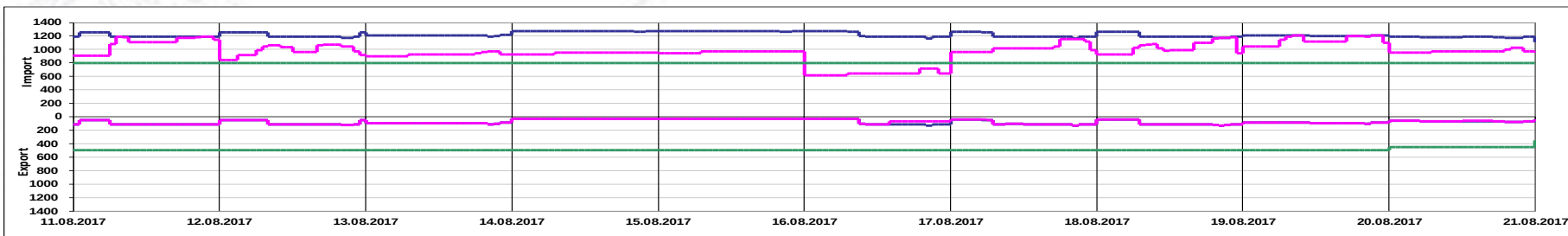
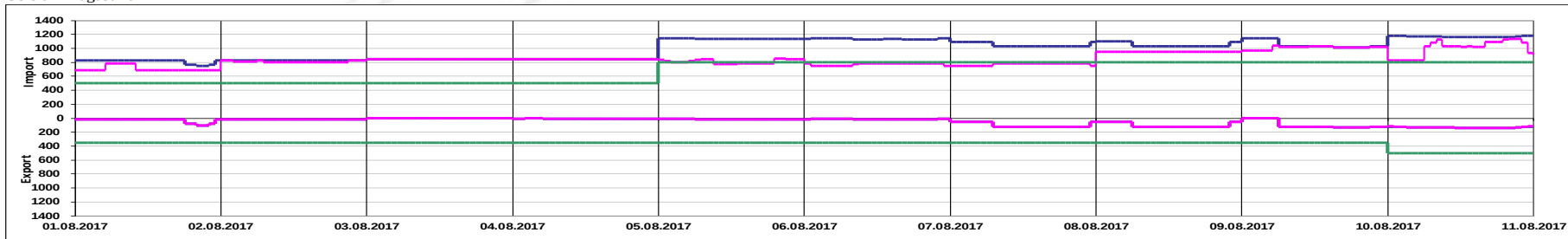


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Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Daily Auctions on Romanian – Serbian border

Serbia August 2017



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	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.19	0.19	0.09	0.09	0.19	0.45	0.45
2	1.13	1.13	1.13	1.13	1.13	1.13	2.00	2.00	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	3.00	1.13	4.83
3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	1.21	1.21	2.39	2.39	2.39	1.21	1.21	1.21	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	1.21	1.21	1.21	1.21	2.39
5	0.17	0.17	0.17	0.17	0.17	0.17	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.11	0.17
6	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.22	0.22	0.22	0.22
7	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.22	0.22	0.22
8	0.77	0.77	0.77	0.77	0.77	0.22	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.33	0.55	0.77	0.77
9	2.79	2.79	2.79	2.79	2.79	2.79	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	2.79
10	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
11	0.31	0.55	0.55	0.55	0.55	0.55	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.55
12	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.26	0.26	0.27
13	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.27	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.46	0.46	0.46
14	3.04	3.11	4.44	3.93	3.02	3.01	1.66	1.77	2.61	2.41	2.72	2.30	3.00	3.00	3.00	2.69	2.69	1.10	1.10	0.55	0.41	0.55	0.67	4.44	4.44
15	4.44	4.44	5.12	5.46	5.49	7.02	4.44	2.12	2.50	2.98	3.68	3.68	3.68	3.68	3.68	1.66	0.38	0.38	0.38	0.38	0.28	0.28	1.66	2.55	7.02
16	2.68	2.68	2.68	2.68	1.12	0.78	0.78	0.41	0.41	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	2.68
17	1.00	1.00	2.80	2.58	2.49	0.88	0.56	0.22	0.22	0.24	0.24	0.24	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	2.00
18	0.88	0.88	0.88	0.88	0.88	1.00	1.00	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.24	0.18	0.24	0.31	0.31	1.00
19	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.21	0.21	0.21	0.21	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.09	0.21	0.21	0.21	0.33
20	0.55	0.33	0.33	0.33	0.33	0.33	0.33	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	0.31	0.31	0.31	0.31	0.55
21	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.59	0.59	1.88	1.88	1.88
22	12.21	12.21	12.21	12.21	12.21	9.82	6.11	4.36	4.36	4.36	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.33	3.75	3.00	3.00	3.00	3.53	3.53	12.21
23	1.32	1.32	1.00	1.00	1.00	1.00	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.00	1.00	1.00	1.32	1.32	1.32
24	1.76	1.76	1.76	1.76	1.76	1.76	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.07	0.07	0.07	0.37	0.37	1.76
25	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.33	0.33	0.55	0.55	0.33	0.33	0.33	0.33	0.33	0.33	0.55	0.55	0.33	0.55	0.55	0.55	0.55
26	1.32	1.32	1.32	0.60	0.60	0.60	0.60	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.32	1.32	1.32	1.32
27	1.93	1.93	1.93	1.56	1.56	0.91	0.91	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.93	1.93	1.93	1.93
28	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
29	2.00	2.00	2.00	1.25	1.25	1.25	0.56	0.56	0.56	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.45	0.45	2.00
30	1.25	0.88	0.88	0.88	0.88	0.77	0.55	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.34	0.34	0.26	0.26	0.34	0.34	0.34	1.25
31	1.25	0.75	0.75	0.75	0.75	0.75	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.26	0.34	0.34	0.34	0.26	1.25

Serbia

August 2017

Public



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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01	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	0.01	0.01	0.01	0.01
4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.03
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	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	0.00	0.02
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
24	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.03	0.06
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

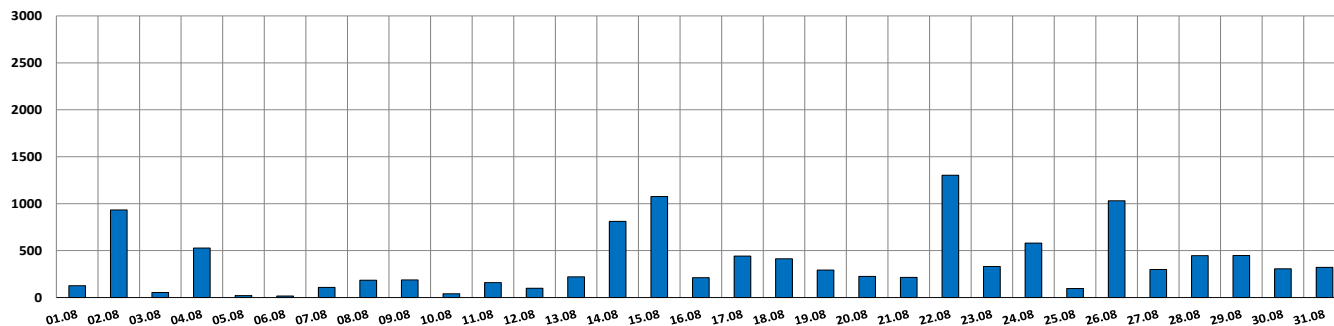
Serbia

August 2017

Public

Daily Allocation on Romanian – Serbian border

Congestion Income RO



Daily Income [Euro]

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
18954	4095	18684	1347
23049		20031	

TSO Income (Z-R) [Euro]

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
3018	1509

Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.08	253	127
02.08	1865	933
03.08	109	54
04.08	1054	527
05.08	43	21
06.08	31	16
07.08	216	108
08.08	369	185
09.08	377	188
10.08	81	41
11.08	319	159
12.08	198	99
13.08	442	221
14.08	1624	812
15.08	2151	1075
16.08	424	212
17.08	883	441
18.08	827	414
19.08	585	292
20.08	450	225
21.08	430	215
22.08	2605	1303
23.08	660	330
24.08	1161	580
25.08	191	95
26.08	2061	1031
27.08	599	300
28.08	891	446
29.08	895	447
30.08	614	307
31.08	643	321
Total	23049	11525

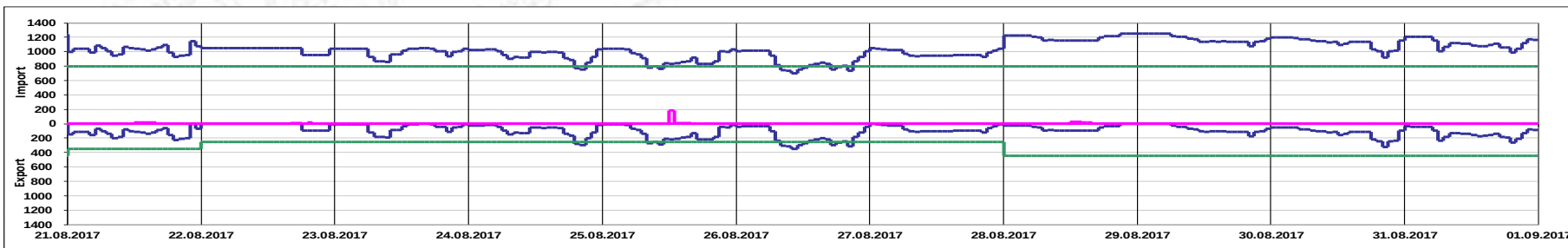
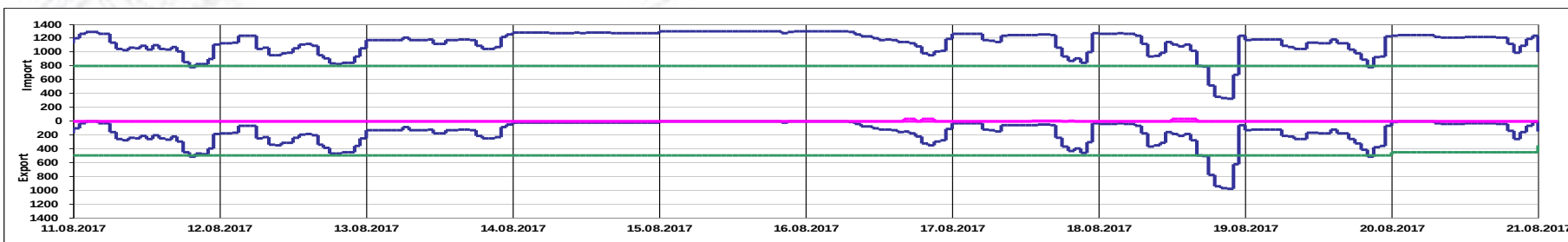
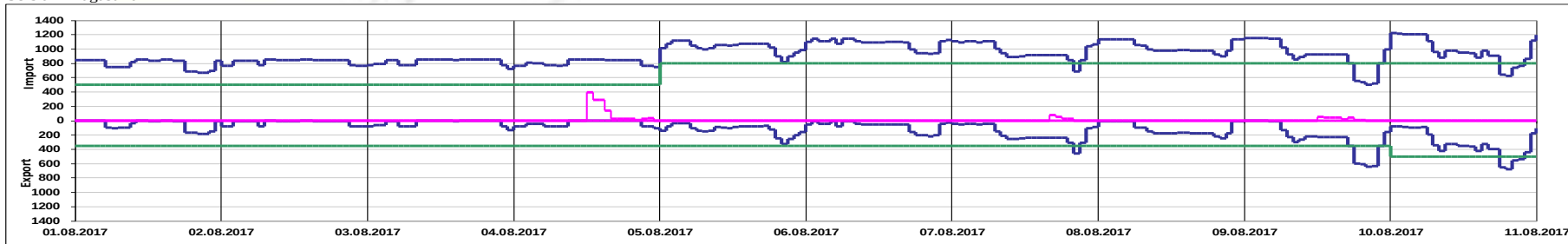


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Societate Administrată în Sistem Dualist

Market for Allocation of Cross-Border Capacities

Intraday Auctions on Romanian – Serbian border

Serbia August 2017



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

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

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

Public



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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
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
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
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
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	-	-	0.00
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
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
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
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Serbia August 2017



Intraday Auctions on Romanian – Serbian border

Auction Price
[Euro/MWh] - Import

Serbia	August 2017
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Market for Allocation of Cross-Border Capacities

Statistics on Monthly Auction

	August 2017	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	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24		
	Number of Capacity Holders	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
	Number of Bids	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	
Hungary import	Number of Capacity Traders	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	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	10	
	Number of Bids	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
Bulgaria export	Number of Capacity Traders	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	Number of Bids	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
Bulgaria import	Number of Capacity Traders	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	Number of Capacity Holders	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	Number of Bids	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	
Serbia export	Number of Capacity Traders	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12	13	13	13	13	
	Number of Capacity Holders	4	4	4	4	4	4	4	4	4	4	10	10	10	10	10	10	10	10	10	10	10	7	4	4	4	4	4	10	10	10	10	
	Number of Bids	54	54	54	54	54	54	54	54	54	52	52	52	52	52	52	52	52	52	52	54	53	49	49	49	49	49	49	55	55	55	55	
Serbia import	Number of Capacity Traders	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	Number of Capacity Holders	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	Number of Bids	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	10	
Ukraine export	Number of Capacity Traders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Number of Bids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ukraine import	Number of Capacity Traders	6	6	6	6	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Number of Capacity Holders	6	6	6	6	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4	6	6	6	6
	Number of Bids	12	12	12	12	-	-	-	-	-	-	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11
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	-	-	-	-	-	-	-	-	-	-	-	-																				

August 2017	Maximum	Minimum
Number of Capacity Traders	24	6
Number of Capacity Holders	13	4
Number of Bids	121	10

Statistics on Daily Auctions

August 2017		Daily Auctions																														
Serbia Export	Maximum Number of Capacity Traders	5	7	2	5	5	3	4	7	4	5	6	5	3	5	6	5	8	6	6	5	5	10	4	6	5	7	4	6	8	6	6
	Maximum Number of Capacity Holders	4	3	1	2	3	3	3	5	4	5	5	5	3	4	3	5	4	4	4	3	3	4	2	4	2	3	2	3	4	4	3
	Maximum Number of Bids	12	13	2	6	5	3	8	12	7	8	12	9	8	10	12	12	20	16	15	12	9	14	6	10	9	12	8	10	16	14	14
Serbia Import	Maximum Number of Capacity Traders	6	6	6	6	7	5	5	7	8	8	8	7	5	6	6	6	8	7	7	6	6	5	7	9	7	9	5	5	6	8	6
	Maximum Number of Capacity Holders	6	6	6	6	7	5	5	7	8	8	8	7	5	6	6	6	8	7	7	6	6	5	7	8	7	8	5	5	6	8	6
	Maximum Number of Bids	19	20	20	22	20	17	17	21	29	25	26	23	19	20	20	17	26	24	25	20	20	19	23	26	21	28	19	19	20	22	21
Bulgaria Export	Maximum Number of Capacity Traders	6	6	6	6	7	3	4	9	8	7	6	8	3	4	9	8	8	8	7	3	3	9	9	7	7	6	3	4	7	7	7
	Maximum Number of Capacity Holders	6	6	6	6	7	3	4	8	8	7	6	8	3	4	6	5	8	7	7	3	3	7	8	7	7	6	3	4	7	7	7
	Maximum Number of Bids	14	15	14	14	15	10	10	20	17	16	15	17	12	14	23	24	21	22	16	13	11	23	20	18	18	16	13	14	18	17	17
Bulgaria Import	Maximum Number of Capacity Traders	13	12	10	12	11	8	7	12	14	13	11	15	8	9	9	12	12	13	13	8	8	10	14	15	14	15	9	8	11	12	12
	Maximum Number of Capacity Holders	6	7	5	7	6	5	5	8	7	8	6	8	6	8	6	8	8	8	9	8	7	8	8	9	6	6	5	5	6	9	7
	Maximum Number of Bids	33	30	29	34	25	15	14	30	32	30	28	29	18	21	22	32	27	31	26	19	17	19	34	32	33	33	19	19	22	26	27

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

Statistics on Intraday Auctions

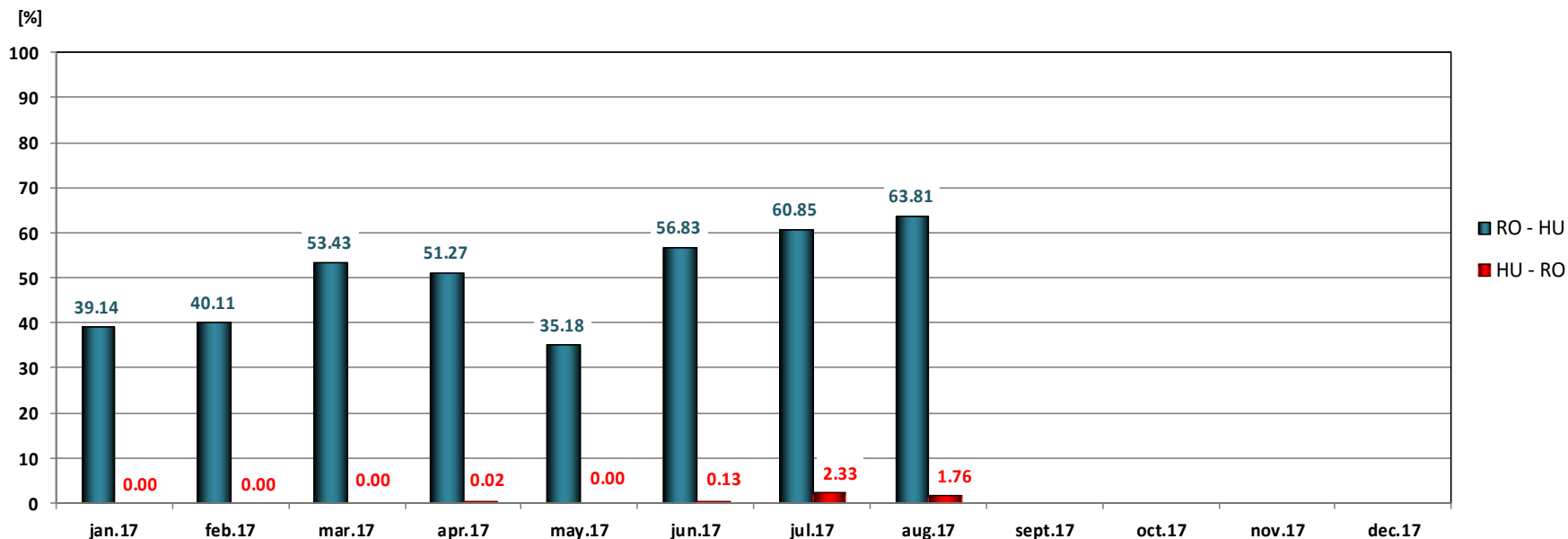
August 2017		Intraday Auction															1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Hungary Export	Maximum Number of Capacity Traders	2	2	2	2	0	0	2	2	2	2	3	1	1	1	0	3	2	2	0	0	3	1	2	3	2	1	1	2	2	2	2	2	2	2	2	2										
	Maximum Number of Capacity Holders	2	2	2	2	-	-	2	2	2	2	3	1	1	1	-	3	2	2	-	-	3	1	2	3	2	1	1	2	2	2	2	2	2	2	2	2										
Hungary Import	Maximum Number of Capacity Traders	4	3	3	5	0	0	3	3	3	3	2	1	1	1	2	3	3	3	0	1	2	3	3	3	5	1	0	3	3	4	5	5	5	5	5	5										
	Maximum Number of Capacity Holders	4	3	3	5	-	-	3	3	3	3	2	1	1	1	2	3	3	3	-	1	2	3	3	3	5	1	-	3	3	4	4	4	4	4	4	4										
Serbia Export	Maximum Number of Capacity Traders	0	1	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	0	0	0										
	Maximum Number of Capacity Holders	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Serbia Import	Maximum Number of Capacity Traders	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0									
	Maximum Number of Capacity Holders	-	-	-	1	-	-	1	-	2	-	-	-	-	-	-	1	1	1	-	-	1	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-									

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

Long term Auction on Romanian – Hungarian border

Usage Level of Allocated Capacity

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



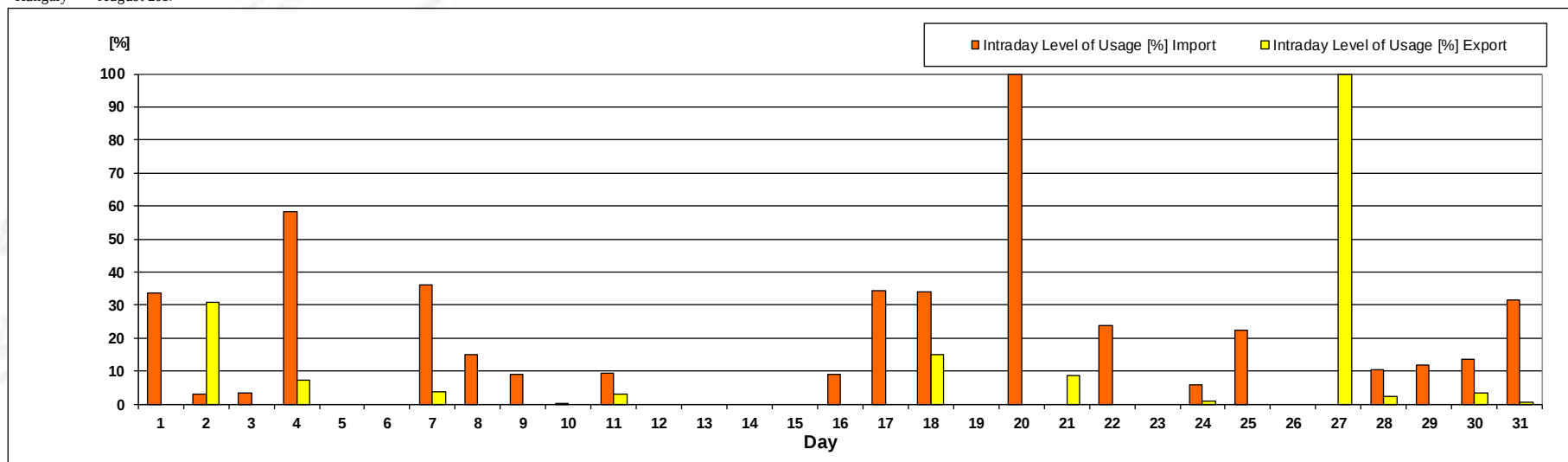
CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 50.08 % on export direction and 0.53 % on import direction.

Intraday Auctions on Romanian – Hungarian border

Usage Level of Intraday Allocated Capacity

Hungary August 2017



Intraday Level of Usage [%]

August 2017	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	33.46	3.03	3.30	58.40	-	-	36.20	15.00	8.84	0.20	9.37	0.00	0.00	0.00	0.00	9.09	34.33	33.86	-	100.00	0.00	23.74	0.00	5.87	22.50	0.00	-	10.27	11.73	13.57	31.47
Export	0.00	30.77	0.00	7.14	-	-	3.61	0.00	0.00	0.00	2.88	0.00	0.00	0.00	-	0.00	0.00	15.01	-	-	8.62	0.00	0.00	0.87	0.00	0.00	100.00	2.44	0.00	3.28	0.63

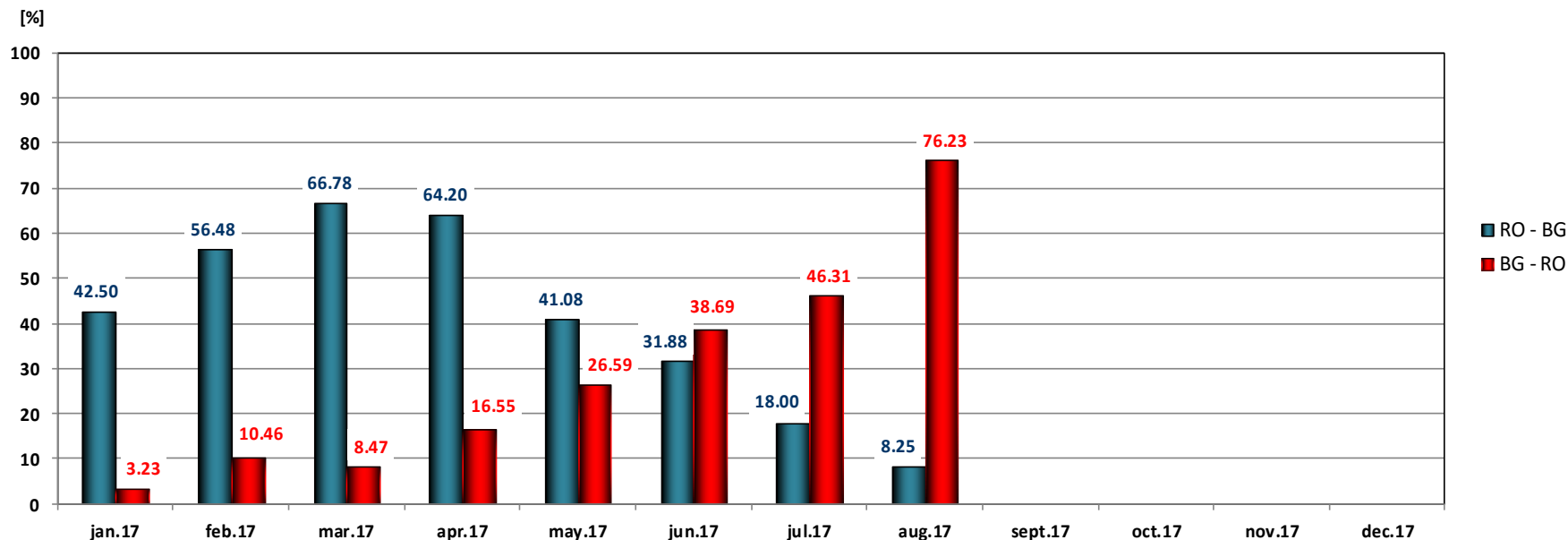
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 19.32 [%]
- Export 3.44 [%]

Long term Auction on Romanian – Bulgarian border

Usage Level of Allocated Capacity

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



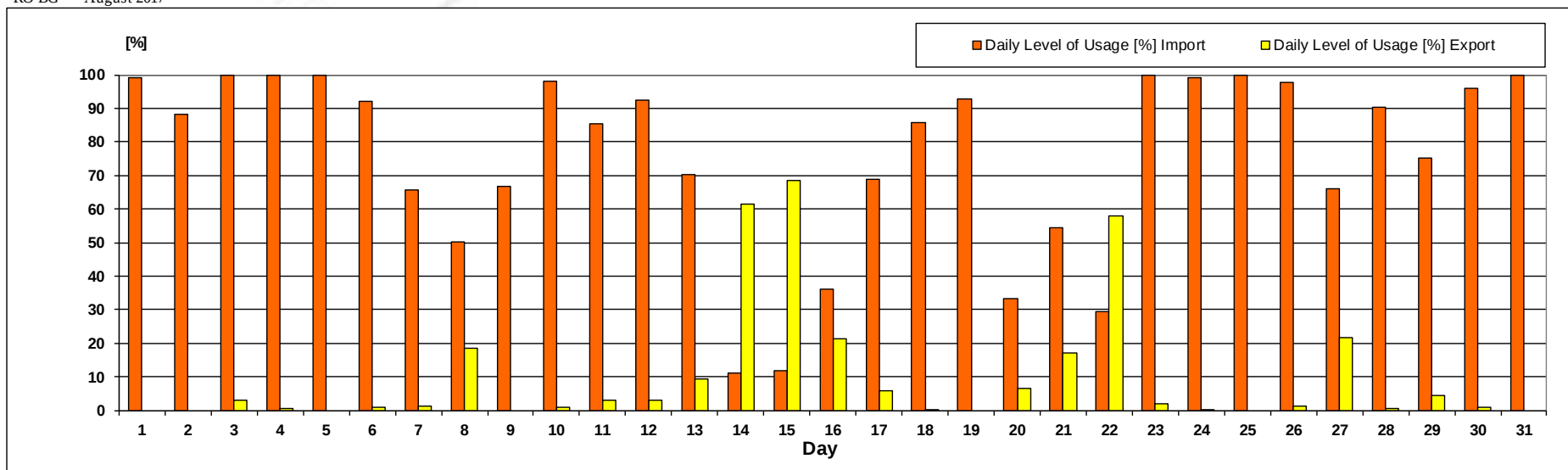
CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 41.15 % on export direction and 28.32 % on import direction.

Daily Auctions on Romanian – Bulgarian border

Usage Level of Daily Allocated Capacity

RO-BG August 2017



Daily Level of Usage [%]

August 2017	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	99.28	88.27	100.00	100.00	100.00	92.17	65.57	50.34	66.84	97.97	85.21	92.43	70.42	10.97	11.81	36.06	68.94	85.64	92.61	33.35	54.51	29.56	99.66	98.96	100.00	97.85	66.01	90.35	75.08	95.95	100.00
Export	0.00	0.00	3.12	0.47	0.00	0.98	1.37	18.40	0.00	0.97	2.85	3.03	9.42	61.40	68.35	21.31	5.84	0.34	0.00	6.43	17.01	57.76	2.02	0.18	0.00	1.12	21.55	0.54	4.51	0.79	0.00

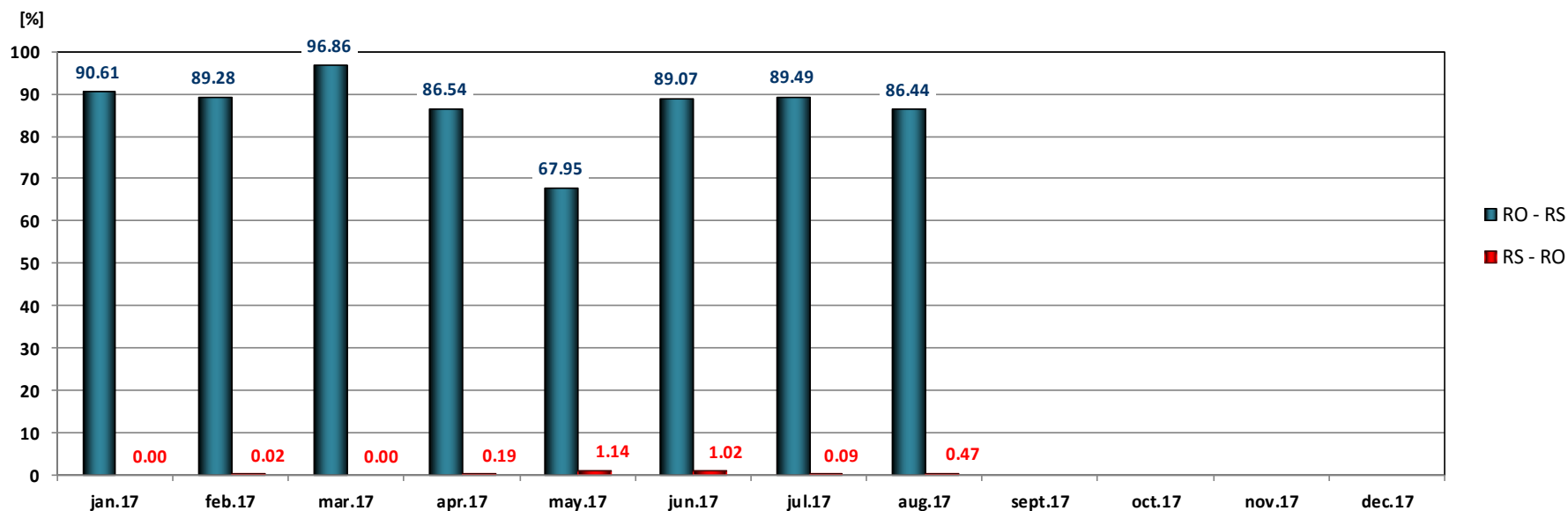
Level of usage of daily allocated capacity, calculated at monthly level, as ratio between sum of nominated daily capacities and sum of daily allocated capacities, has the following values:

- Import 61.81 [%]
- Export 8.11 [%]

Long term Auction on Romanian – Serbian border

Usage Level of Allocated Capacity

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



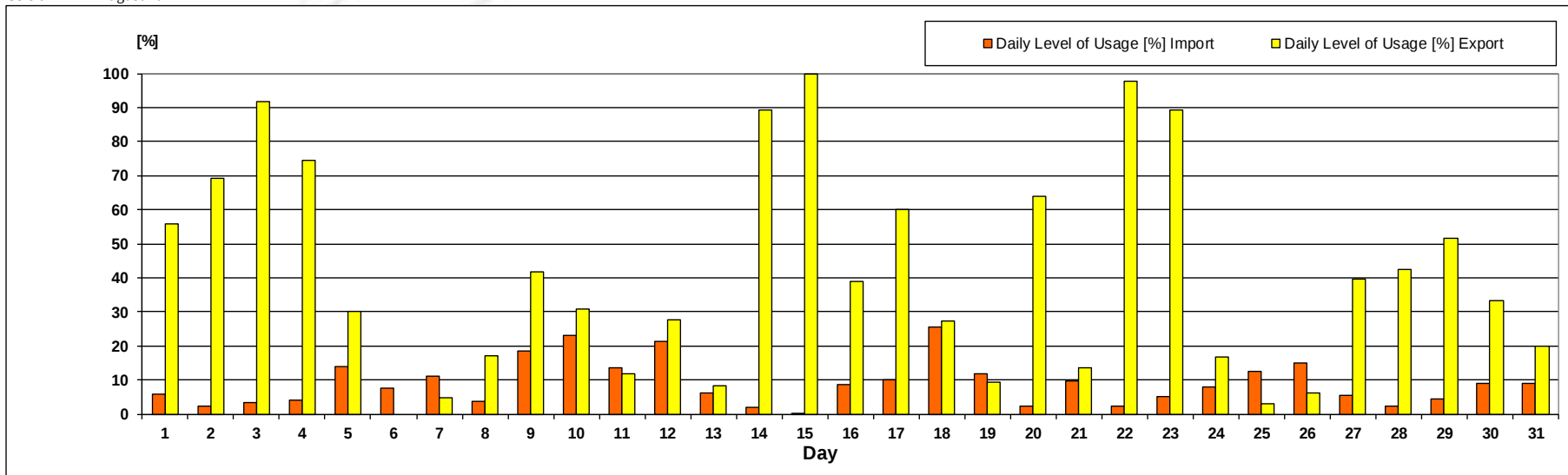
CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 87.03 % on export direction and 0.36 % on import direction.

Daily Auctions on Romanian – Serbian border

Usage Level of Daily Allocated Capacity

Serbia August 2017



Daily Level of Usage [%]

August 2017	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	5.68	2.23	3.17	4.19	13.93	7.67	11.07	3.62	18.55	23.09	13.51	21.21	6.14	2.11	0.15	8.66	9.86	25.44	11.62	2.22	9.56	2.25	5.17	7.95	12.49	14.81	5.38	2.33	4.39	8.87	8.86
Export	55.65	69.32	91.67	74.42	29.94	0.00	4.84	17.16	41.86	30.95	11.89	27.57	8.27	89.44	100.00	39.06	60.21	27.11	9.37	63.81	13.42	97.58	89.23	16.78	3.10	6.29	39.54	42.46	51.64	33.14	19.96

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:

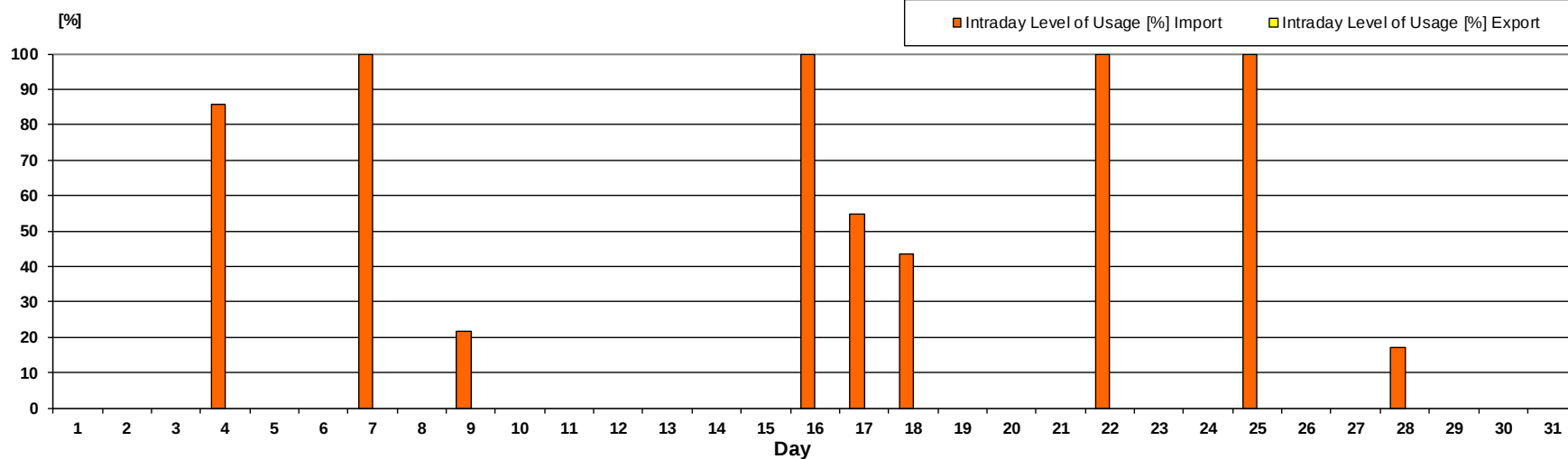
- Import 9.13 [%]
- Export 32.48 [%]

Intraday Auctions on Romanian – Serbian border

Usage Level of Intraday Allocated Capacity

Serbia

August 2017



Intraday Level of Usage [%]

August 2017	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	-	-	-	85.73	-	-	100.00	-	21.57	-	-	-	-	-	-	100.00	54.84	43.33	-	-	0.00	100.00	-	-	100.00	-	-	17.00	-	-	-
Export	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

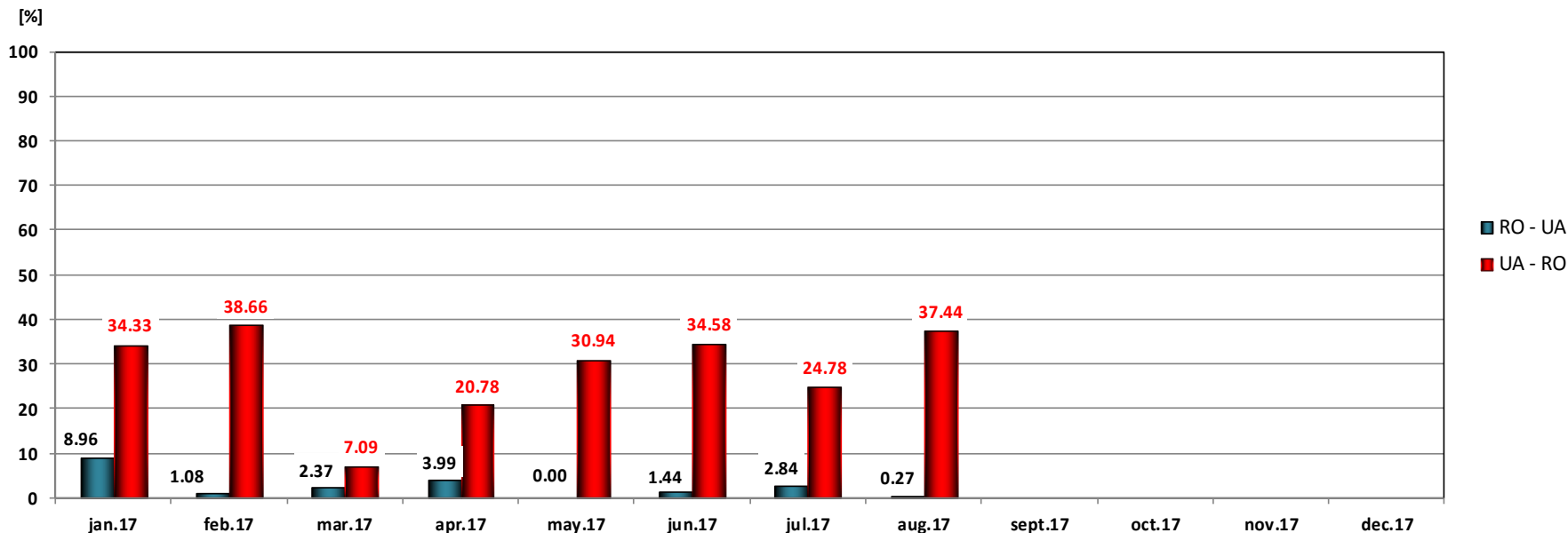
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 74.08 [%]
- Export 0 [%]

Long term Auction on Romanian – Ukrainian border

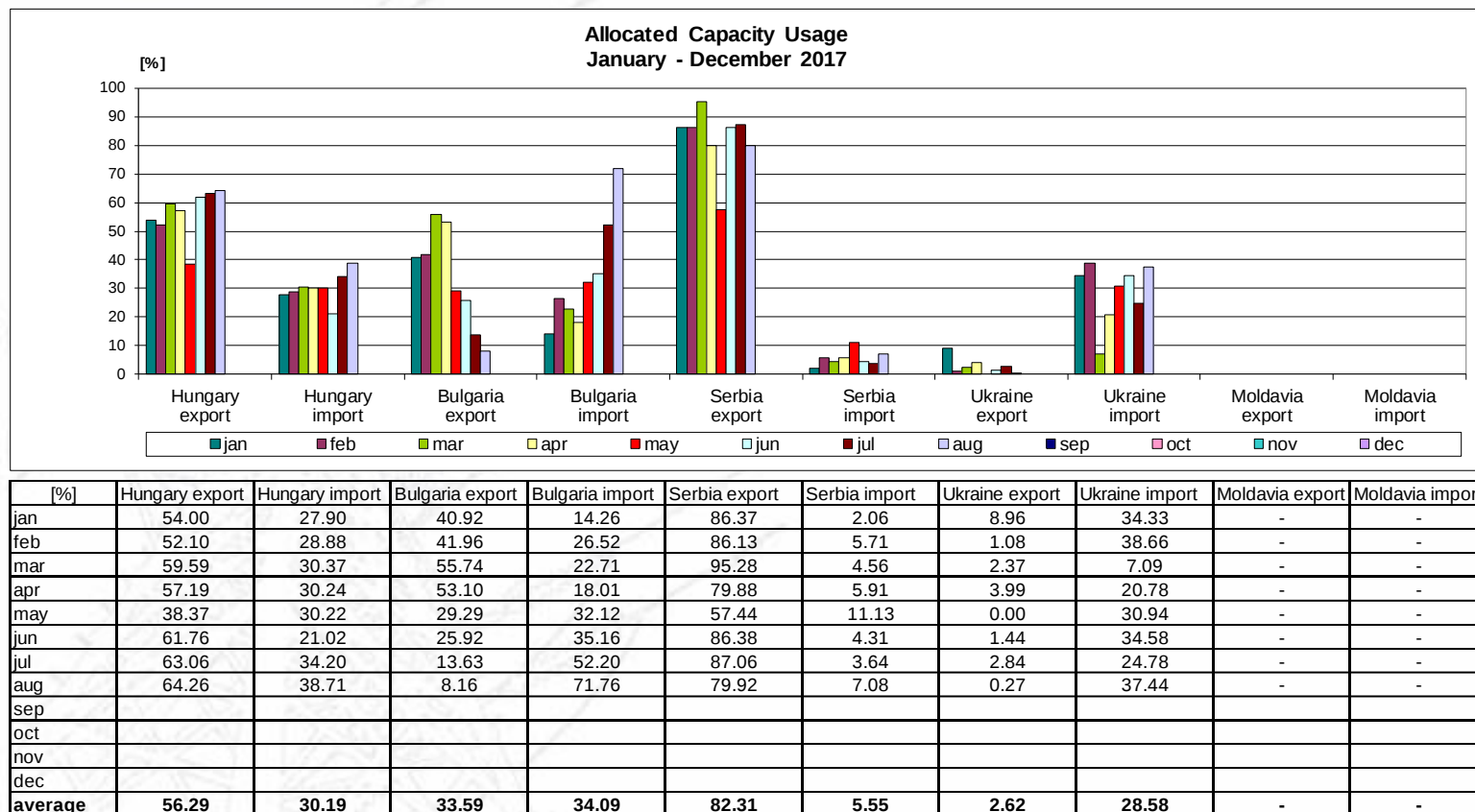
Usage Level of Allocated Capacity

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



CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 4.14 % on export direction and 26.69 % on import direction.



Type B

The allocated capacity level of usage on one border and direction represents the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the allocated capacity by the Romanian and by the neighbouring side, to all participants who have or not counterparties on the other side of the border.

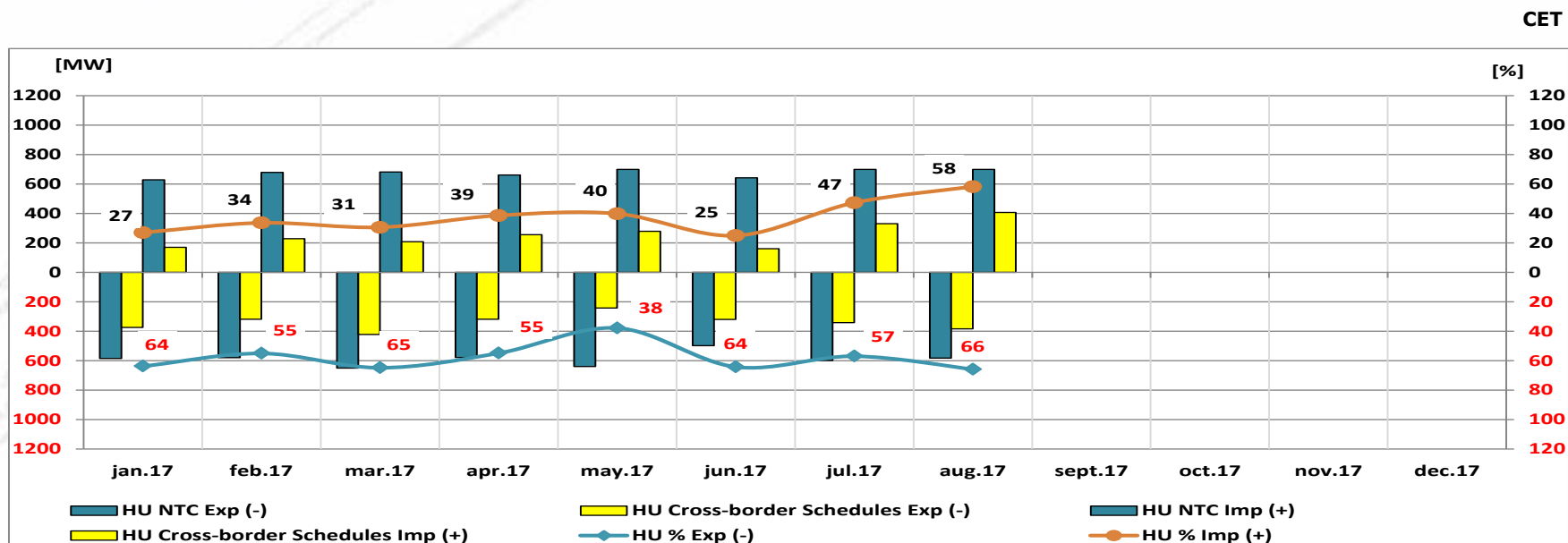
In August 2017, the highest level of usage on export direction was obtained on Serbian border and the highest level of usage on import direction was obtained on Bulgarian border.



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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Hungarian border



Hungary (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
HU NTC Exp (-)	-585	-579	-651	-578	-639	-498	-598	-582				
HU Cross-border Schedules Exp (-)	-373	-319	-422	-318	-242	-320	-341	-384				
HU NTC Imp (+)	629	679	682	662	700	642	700	700				
HU Cross-border Schedules Imp (+)	170	229	209	256	279	160	331	408				

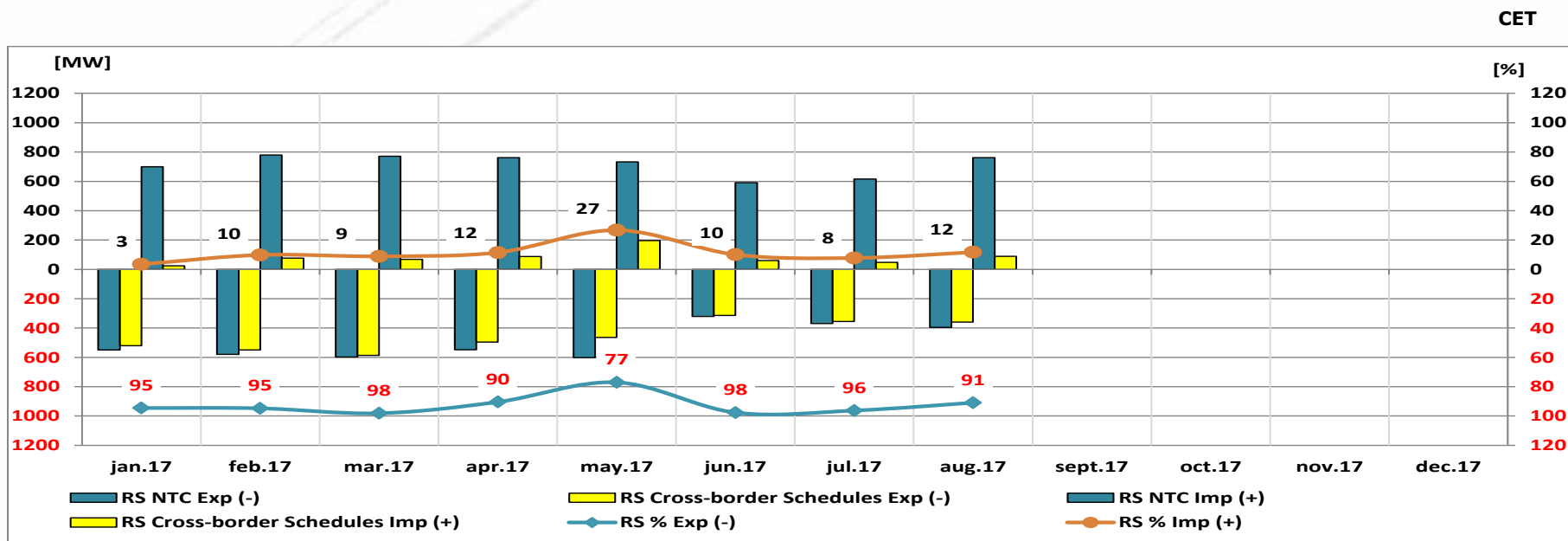
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.
From the beginning of the year, the average values (arithmetic) of usage level are: 57.93 % on export direction and 37.53 % on import direction.



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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
RS NTC Exp (-)	-550	-579	-598	-548	-602	-322	-369	-395				
RS Cross-border Schedules Exp (-)	-520	-549	-586	-496	-464	-314	-356	-359				
RS NTC Imp (+)	700	779	772	762	732	592	616	761				
RS Cross-border Schedules Imp (+)	24	76	69	88	196	59	48	89				

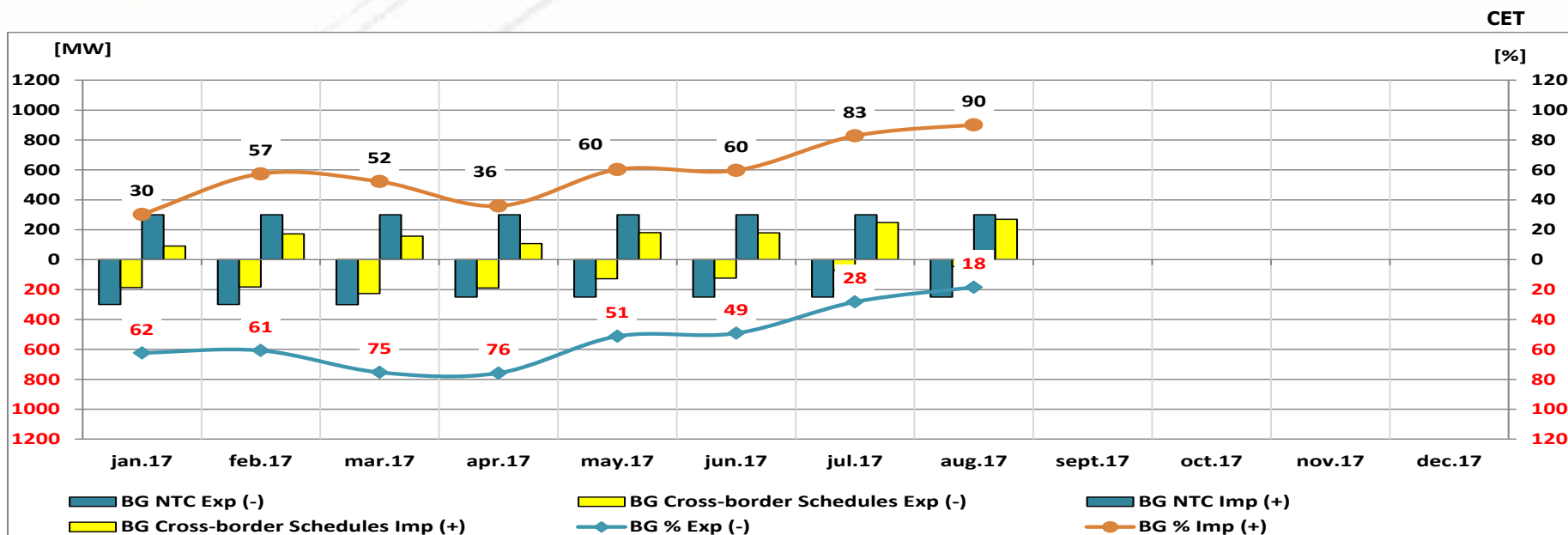
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.
From the beginning of the year, the average values (arithmetic) of usage level are: 92.47 % on export direction and 11.25 % on import direction.



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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Bulgarian border



Bulgaria (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
BG NTC Exp (-)	-300	-300	-300	-250	-250	-250	-250	-250				
BG Cross-border Schedules Exp (-)	-187	-182	-226	-190	-128	-123	-71	-46				
BG NTC Imp (+)	300	300	300	300	300	300	300	300				
BG Cross-border Schedules Imp (+)	91	172	157	108	181	179	248	270				

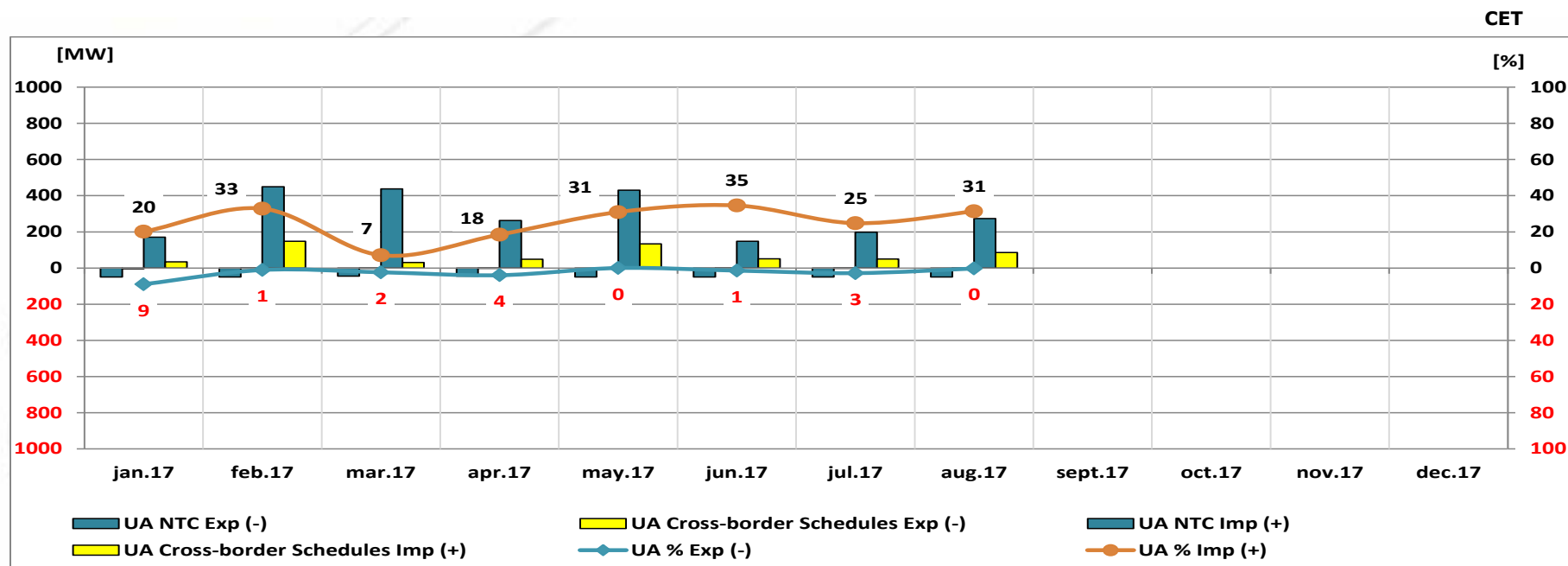
The level of usage was calculated as ratio between total cross-border schedules (capacity nominated on long and short term) and NTC.
From the beginning of the year, the average values (arithmetic) of usage level are: 52.67 % on export direction and 58.59 % on import direction.



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Market for Allocation of Cross-Border Capacities

Usage Level of NTC on Romanian – Ukrainian border



Ukraine (monthly averages values, MW)	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
UA NTC Exp (-)	-50	-50	-45	-45	-50	-50	-50	-50				
UA Cross-border Schedules Exp (-)	-4	-1	-1	-2	0	-1	-1	0				
UA NTC Imp (+)	171	450	438	263	431	148	198	274				
UA Cross-border Schedules Imp (+)	34	148	31	49	133	51	49	86				

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: 2.62 % on export direction and 25.03 % on import direction.



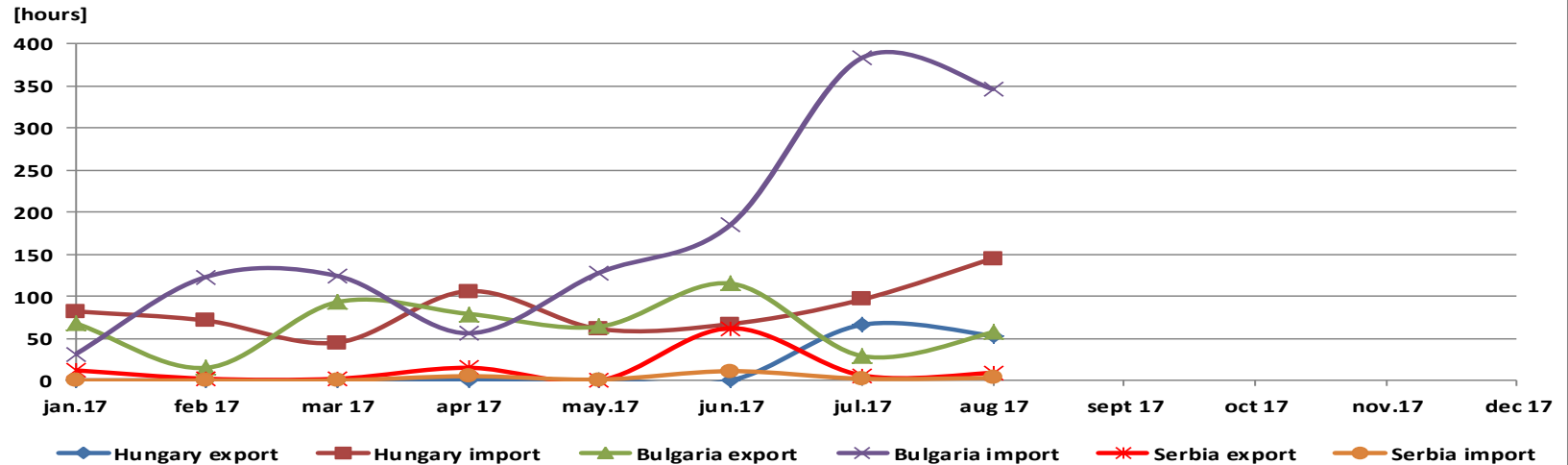
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Market for Allocation of Cross-Border Capacities

Maximization of NTC Usage

CET

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



Number of hours	jan.17	feb.17	mar.17	apr.17	may.17	jun.17	jul.17	aug.17	sept.17	oct.17	nov.17	dec.17
Hungary export	0	0	0	1	0	0	66	53				
Hungary import	82	71	45	106	61	67	96	145				
Bulgaria export	68	15	93	79	64	115	29	57				
Bulgaria import	31	123	124	56	128	185	383	346				
Serbia export	12	2	2	15	0	62	6	9				
Serbia import	0	0	0	5	1	11	2	3				

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

August 2017

August 2017

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday					
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI
Hungary import	22.06	55.59	1490	26.79	65.36	1794	-	-	-	33.27	86.10	2643	18.55	43.42	1021
Hungary export	30.86	55.71	1498	25.14	57.08	1360	-	-	-	47.34	96.61	4243	28.00	46.88	1183
Bulgaria import	43.00	92.00	3564	27.50	67.50	1893	30.42	64.33	1805	-	-	-	32.52	64.77	1751
Bulgaria export	41.00	76.00	2472	29.17	63.33	1779	49.57	86.94	3384	-	-	-	37.54	64.88	2001
Serbia import	46.67	93.33	3844	45.40	77.01	2780	32.52	85.88	2587	50.49	100.00	4482	35.79	75.41	2210
Serbia export	39.50	70.00	2273	25.95	67.62	1732	37.05	86.04	2742	100.00	100.00	10000	27.22	58.94	1459
Ukraine import	50.00	100.00	4808	60.04	81.00	3956	-	-	-	-	-	-	57.42	84.70	3833
Ukraine export	48.00	100.00	3728	-	-	-	-	-	-	-	-	-	48.00	100.00	3728
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- Starting with 20.11.2014, on Hungarian border the implicit daily allocation is done through the market coupling mechanism of CZ-SK-HU day-ahead electricity markets.
- Starting with 01.01.2015, intraday auctions are no longer organized on the Bulgarian border, since the Bulgarian market rules do not allow intraday cross-border exchanges.



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