

MARKET MONITORING REPORT

Market for Allocation of Cross-Border Capacities

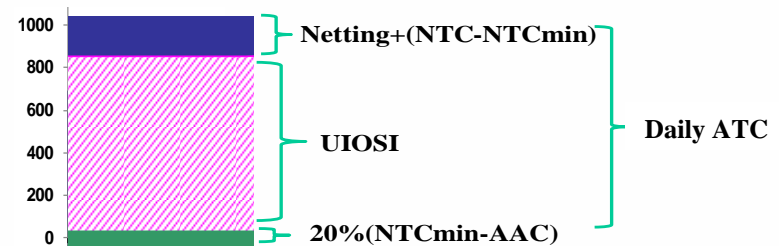
December 2018

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 2018 :
 - ✓ 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.
 - ✓ *The („ use it or sell it”)* principle is applied on Hungarian, Bulgarian and Serbian borders.
 - ✓ on Hungarian and Bulgarian borders 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;
 - ✓ introduction of UIOSI („ use it or sell it”) principle.
- Transelectrica’s auctions are held on Damas platform, with euro currency trading.
- Starting with 1st of January 2018, on Romania – Bulgaria and Romania – Serbia borders and starting with 1st of February 2018 on 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 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.



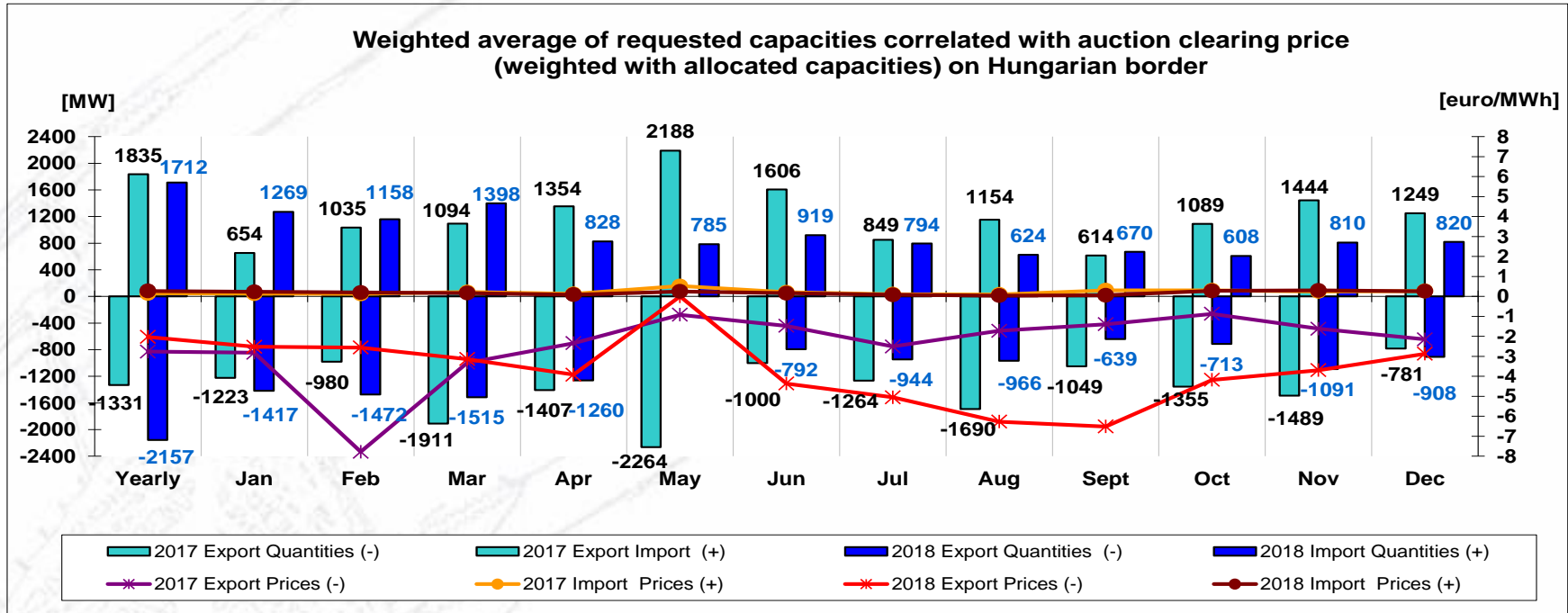
- Usage of allocated capacity on Ukrainian and Moldavian border is restricted by Ukrainian TSO agreement and respectively by the approval of the distribution operator of the passive consumption islands.
- Monthly auctions for December 2018 (01.12 – 31.12.2018) were held as: import/export Hungary*; import/export Bulgaria*; import/export Serbia and import/export Ukraine.
- In December 2018 there were no auctions held on Moldavian border.

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

Monthly auction Results of 01 – 31 December 2018

	Prices [euro/MWh]	Capacities [MW]								
	Results	TTC	NTC	ATC	AAC	Reserved	Offered	Requested	Alocated	Final Rights*
Hungary export										
01 - 31 December 2018	2.87	600	500	150	350	0	120	908	119	469
Hungary import										
01 - 31 December 2018	0.26	800	700	350	350	0	280	820	280	630
Bulgaria export										
01 - 31 December 2018	0.22	450	350	250	100	-	200	470	200	300
Bulgaria import										
01 - 31 December 2018	9.63	500	400	300	100	-	240	442	240	340
Serbia export										
01 - 31 December 2018	2.12	600	500	300	200	-	300	751	300	500
Serbia import										
01 - 31 December 2018	0.02	900	800	650	150	-	650	1076	650	800
Ukraine export										
01 - 31 December 2018	0.26	150	50	50	-	-	50	96	50	50
Ukraine import										
01 - 31 December 2018	0.03	400	300	300	-	-	300	436	300	300
Moldavia export										
01 - 31 December 2018	-	-	-	-	-	-	-	-	-	-
Moldavia import										
01 - 31 December 2018	-	-	-	-	-	-	-	-	-	-
RO_Vulcanesti										
01 - 31 December 2018	-	-	-	-	-	-	-	-	-	-
RO_Costesti										
01 - 31 December 2018	-	-	-	-	-	-	-	-	-	-
RO_Cioara										
01 - 31 December 2018	-	-	-	-	-	-	-	-	-	-

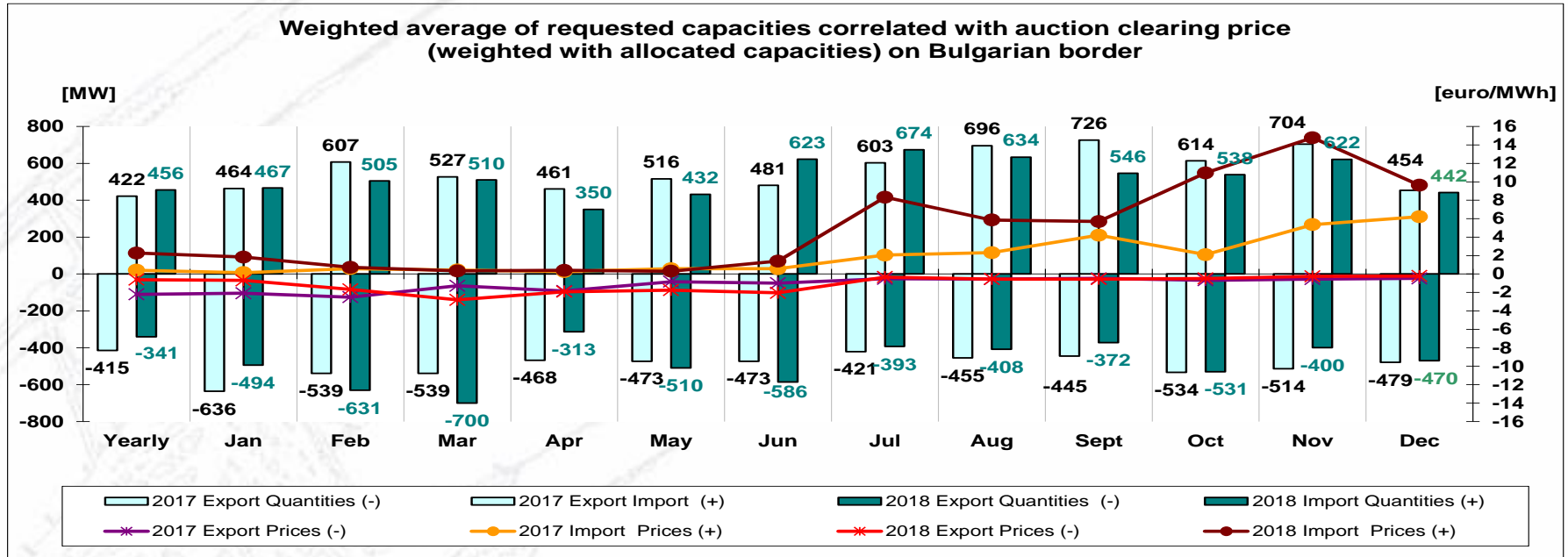
* final rights = monthly allocated capacity + yearly allocated capacity after withdrawals.



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

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	1.39	0.87	1.62	2.15
Hungary import	0.15	0.14	0.13	0.22	0.13	0.52	0.21	0.11	0.10	0.31	0.31	0.25	0.27

- Compared with the similar month of 2017, in December 2018 the auction price slightly increased on export direction, while offered capacity and capacity request were higher. On import direction, monthly auction price was comparable with the price from December 2017.

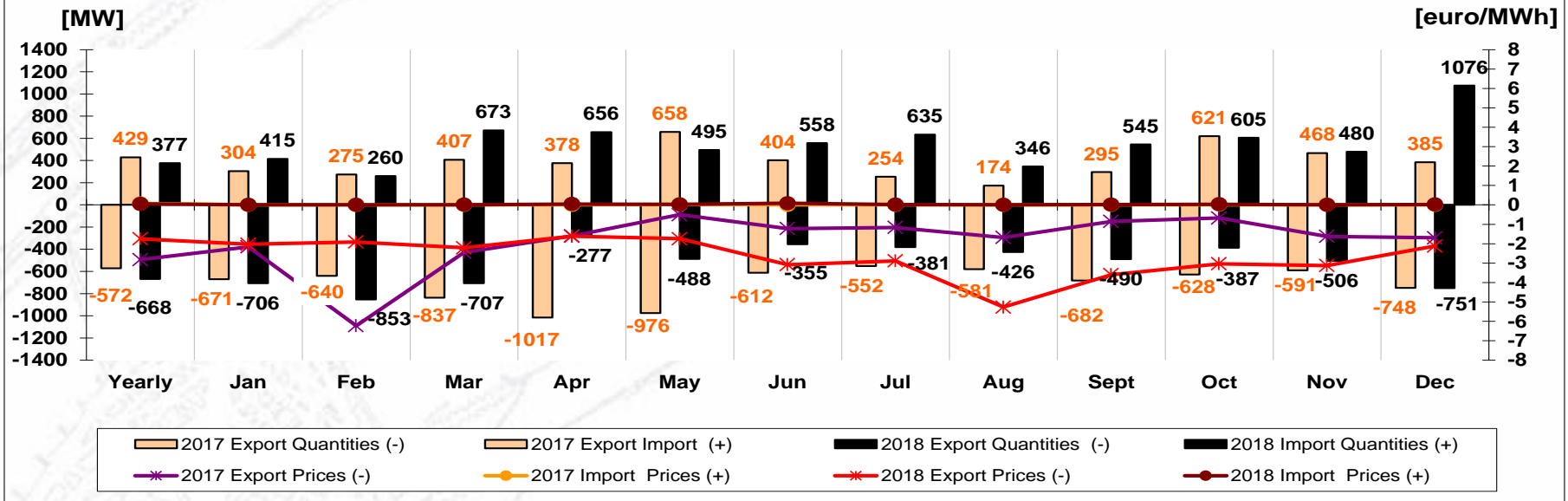


Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov. 18	Dec. 18
Bulgaria export	0.62	0.69	1.67	2.81	1.92	1.75	2.05	0.33	0.55	0.55	0.49	0.26	0.22
Bulgaria import	2.27	1.83	0.72	0.33	0.40	0.30	1.40	8.33	5.85	5.69	10.96	14.78	9.63

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	0.48	0.68	0.55	0.48
Bulgaria import	0.41	0.15	0.58	0.43	0.27	0.57	0.57	2.05	2.31	4.21	2.10	5.35	6.21

- Compared with previous year, in December 2018 the auction price maintained low on export direction, while offered capacity increased and capacity request was similar. Compared with previous year, the auction price significantly increased on import direction, while offered capacity increased and capacity request slightly decreased.

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

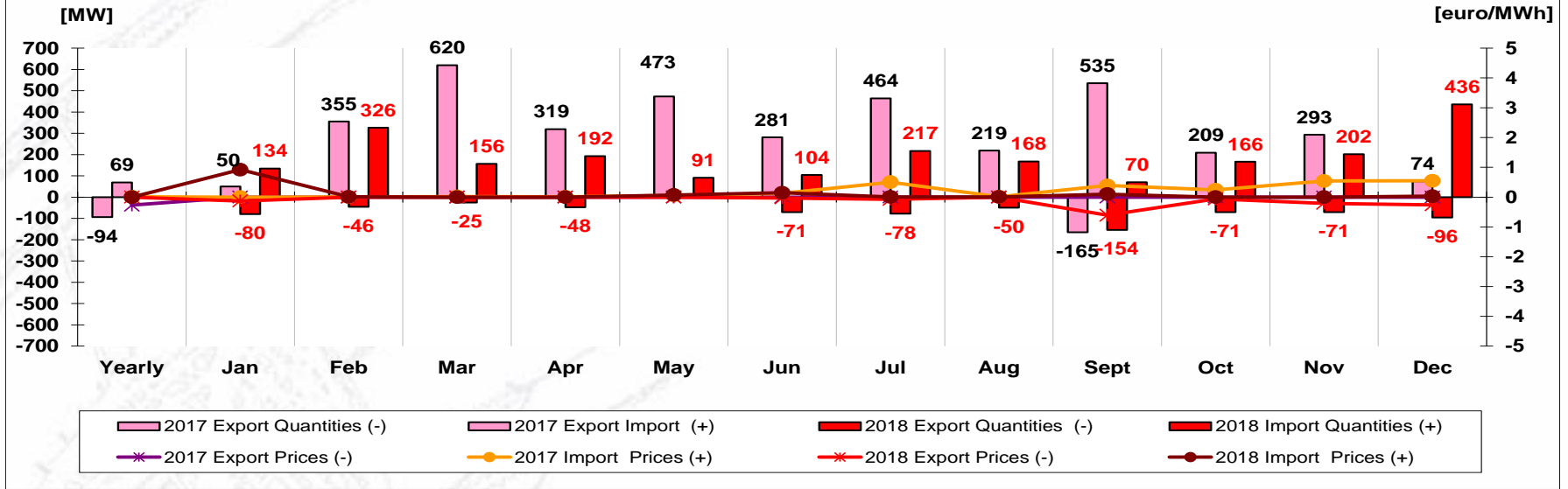


Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Serbia export	1.75	2.03	1.91	2.22	1.62	1.75	3.08	2.89	5.27	3.60	3.04	3.12	2.12
Serbia import	0.05	0.00	0.00	0.01	0.04	0.03	0.08	0.01	0.00	0.01	0.03	0.00	0.02

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	0.86	0.67	1.62	1.69
Serbia import	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00

- Compared with previous year, in December 2018 the auction price slightly increased on export direction, while offered capacity and capacity request did not vary significantly. In December 2018 monthly auction price was low on import direction, while offered capacity and capacity request were higher.

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

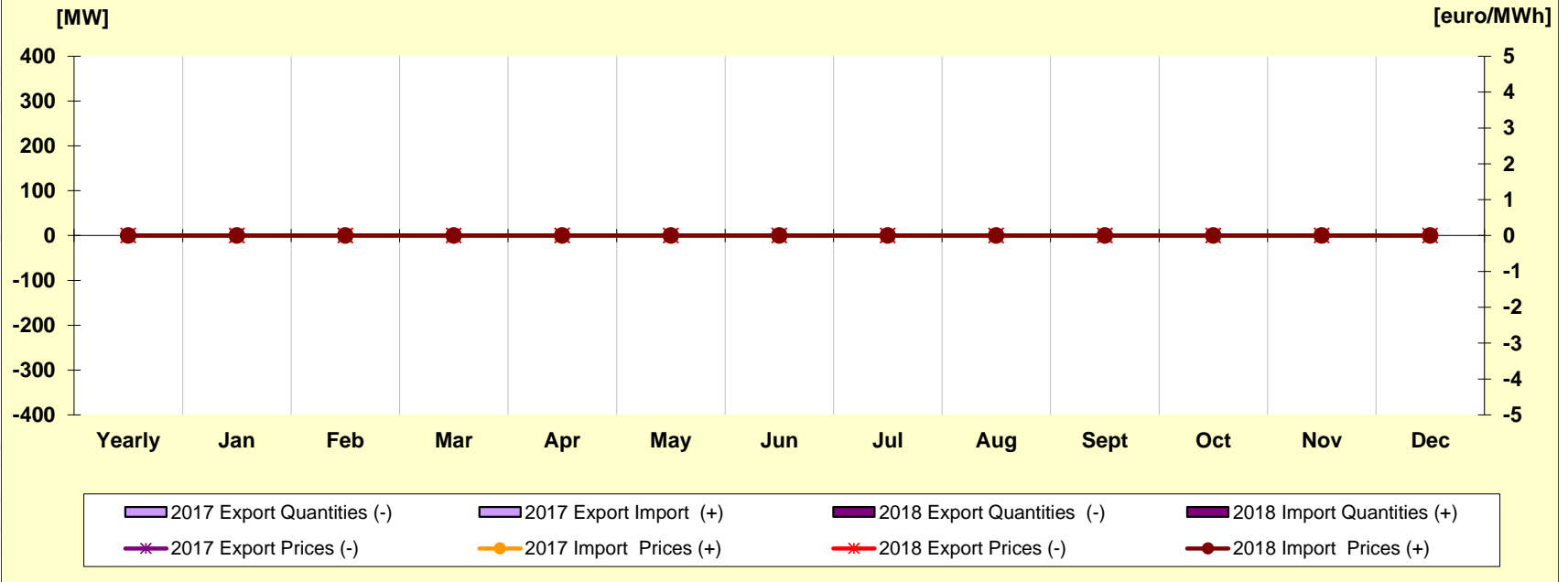


Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Ukraine export	-	0.13	0.00	0.00	0.00	-	0.03	0.08	0.00	0.61	0.06	0.21	0.26
Ukraine import	-	0.92	0.01	0.00	0.00	0.07	0.15	0.01	0.01	0.10	0.00	0.00	0.03

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	-	-	-	-	-	-	-	-	0.00	-	-	-
Ukraine import	0.01	0.00	0.00	0.02	0.01	0.06	0.13	0.50	0.01	0.39	0.24	0.54	0.55

- Compared with previous year, in December 2018 the capacity request increased and the auction price maintained low on import direction, while offered capacity was higher. Compared with similar month of the previous year, in December 2018 the offered capacity was different from zero on export direction, but the auction price had a low value.

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

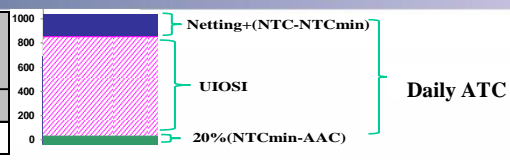


Border	Yearly	Jan. 18	Feb.18	Mar.18	Apr.18	May 18	Jun. 18	Jul. 18	Aug. 18	Sept. 18	Oct. 18	Nov.18	Dec. 18
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

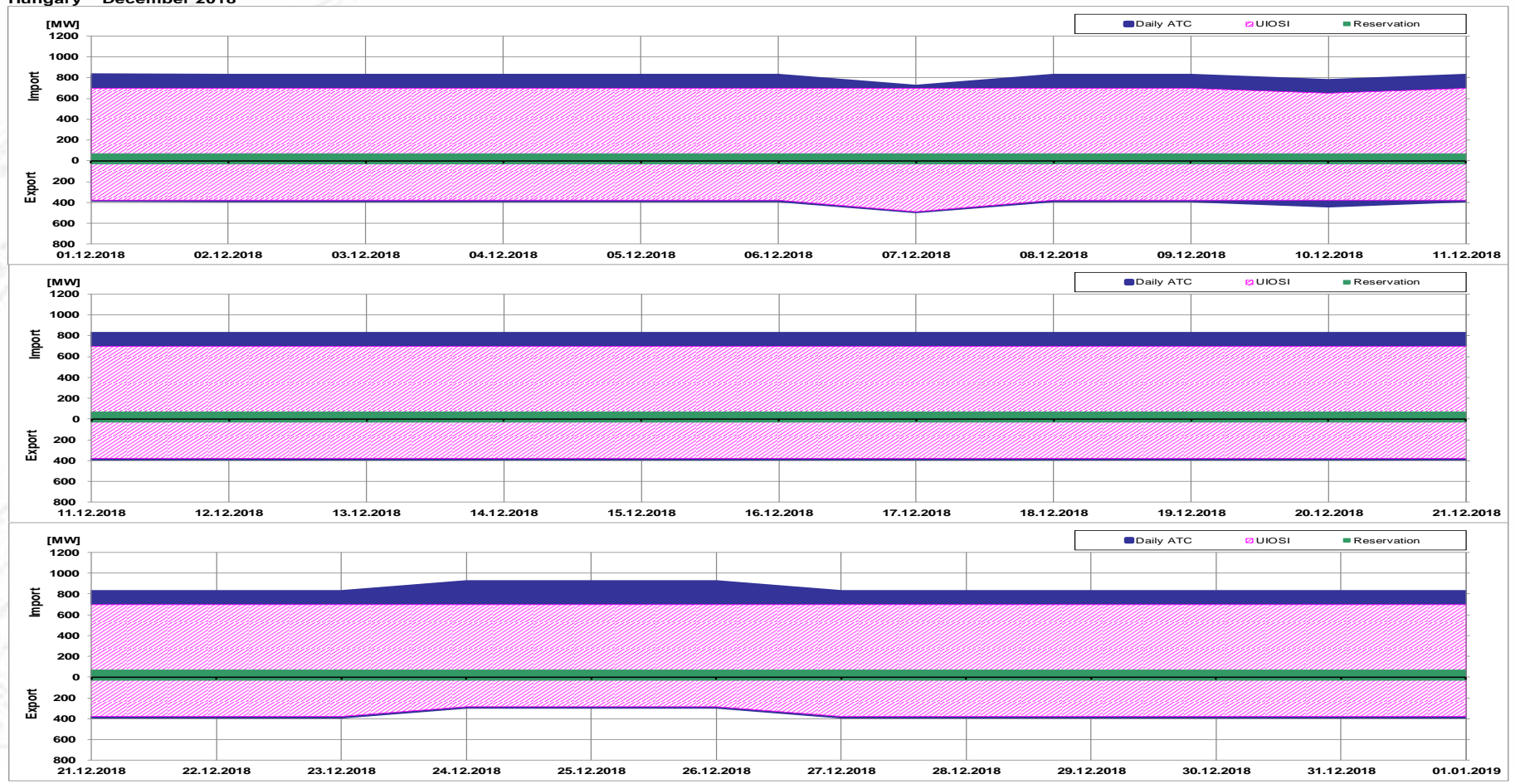
Border	Yearly	Jan. 17	Feb.17	Mar.17	Apr.17	May 17	Jun. 17	Jul. 17	Aug. 17	Sept. 17	Oct. 17	Nov.17	Dec. 17
Moldavia export	-	-	-	-	-	-	-	-	-	-	-	-	-
Moldavia import	-	-	-	-	-	-	-	-	-	-	-	-	-

Daily implicit Auctions on Romanian – Hungarian border

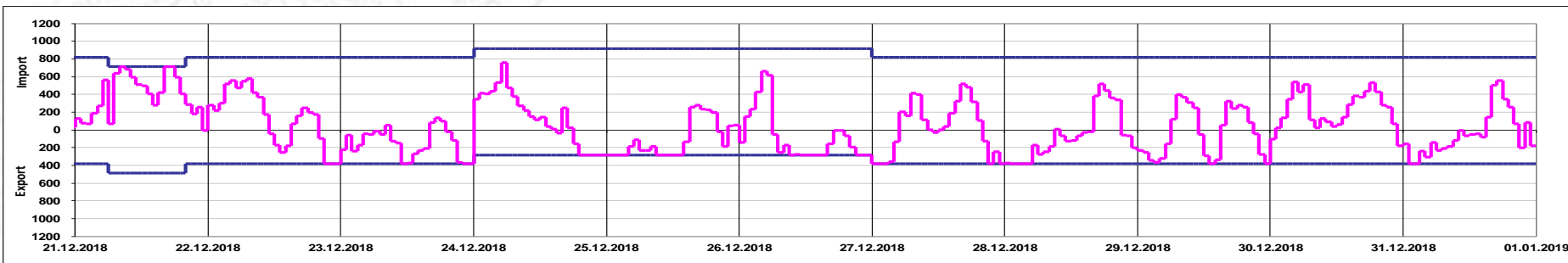
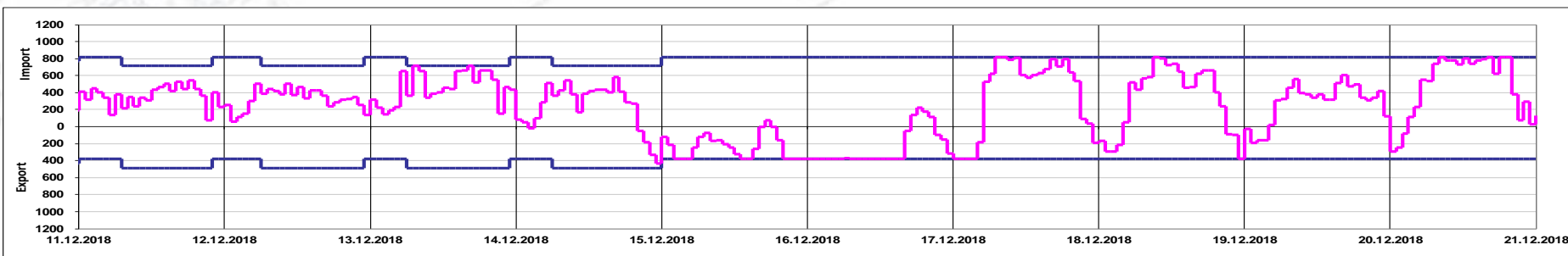
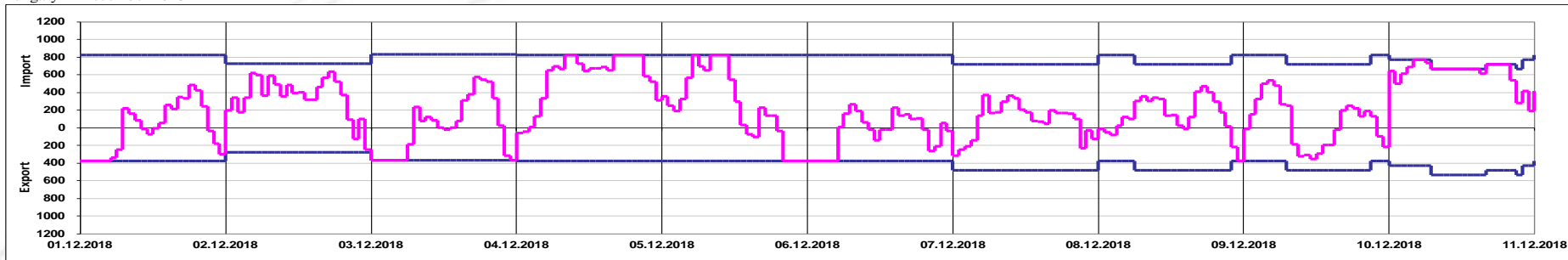
Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-HU	HU-RO	RO-HU	HU-RO
30	70	361	629



Hungary December 2018



Hungary December 2018



Offered Capacity on Daily Auction [MW]

Net Position Border RO – HU [MWh]

Public

Daily implicit Auctions on Romanian – Hungarian border

DAM Prices RO [Euro/MWh]

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	42.85	41.24	42.85	42.85	47.19	53.65	67.94	73.96	68.95	70.86	71.91	70.68	71.93	68.73	71.93	80.45	115.98	119.41	107.39	84.33	80.99	86.74	78.62	69.99	119.41
2	39.00	33.58	31.05	30.93	33.01	40.31	48.90	60.08	61.07	58.93	57.16	55.07	55.59	56.00	57.26	62.55	65.99	75.05	75.98	70.98	66.11	56.97	55.00	49.01	75.98
3	41.81	41.17	41.17	41.17	41.17	44.98	52.27	61.99	63.14	65.28	63.99	63.59	63.04	61.01	57.71	62.84	77.94	83.90	86.39	87.25	78.06	60.82	52.78	41.17	87.25
4	64.43	56.27	52.86	49.17	51.66	70.66	73.93	96.65	96.65	96.65	107.39	107.39	103.11	97.72	97.72	102.00	124.79	123.89	98.15	86.55	85.48	64.91	70.19	64.05	124.79
5	61.89	55.30	50.50	48.44	49.07	62.34	79.91	110.00	98.43	85.90	79.76	74.97	72.19	70.38	70.49	72.00	77.95	77.92	74.92	73.89	71.30	42.84	42.84	36.29	110.00
6	32.67	24.93	26.32	33.98	42.89	54.92	66.20	72.99	73.40	72.46	70.21	70.11	69.98	71.52	83.88	85.99	112.00	113.80	100.03	85.99	85.99	69.78	73.15	67.93	113.80
7	61.63	53.96	52.05	50.22	54.43	65.32	85.94	116.02	107.43	88.09	85.94	93.03	90.94	90.00	85.94	107.43	120.00	115.01	90.00	85.94	71.10	60.60	61.96	54.90	120.00
8	58.28	52.69	49.97	43.67	43.39	47.95	51.41	58.29	60.84	67.57	67.90	67.94	64.27	56.79	57.08	64.24	73.91	74.91	73.96	70.45	70.51	63.90	57.29	42.96	74.91
9	56.06	47.76	38.09	30.06	28.33	31.49	38.46	34.85	46.82	50.70	52.98	51.09	49.91	49.27	49.98	62.03	86.06	86.06	86.06	86.06	72.98	68.28	60.35	45.18	86.06
10	60.42	51.11	38.67	36.36	42.92	71.00	86.06	86.06	86.06	86.06	86.06	86.06	86.06	86.06	86.06	86.06	96.82	89.97	86.06	82.19	86.06	71.90	77.88	57.80	96.82
11	52.00	46.43	40.41	37.77	39.16	54.65	64.65	77.54	71.79	73.17	70.07	71.32	70.06	71.03	72.26	74.83	86.06	86.06	82.04	77.24	77.26	67.38	69.91	57.49	86.06
12	51.80	51.33	49.90	48.35	51.58	59.97	73.52	86.03	87.08	86.26	83.95	82.32	79.80	78.56	79.28	85.09	88.77	96.41	94.81	86.03	81.41	71.41	68.56	58.09	96.41
13	52.67	51.65	50.44	49.98	50.38	58.87	73.91	85.97	80.76	80.36	75.52	74.89	73.99	73.73	75.00	77.64	85.97	87.22	85.41	79.85	76.08	69.98	65.89	58.48	87.22
14	54.69	51.10	50.25	49.40	50.29	63.33	81.75	97.15	92.88	90.82	87.24	85.50	83.39	82.99	85.46	85.83	96.77	99.97	91.19	85.15	79.86	69.09	65.87	56.94	99.97
15	57.69	53.98	49.91	43.45	45.00	51.86	57.00	62.07	66.70	72.46	72.75	70.88	67.96	60.65	60.66	64.23	71.78	73.99	70.03	67.94	56.36	35.46	30.50	11.19	73.99
16	36.31	32.00	32.00	32.00	32.03	34.81	35.98	33.00	40.83	41.00	41.20	41.25	40.70	38.09	41.25	49.85	71.40	79.96	81.43	80.39	72.34	64.94	56.41	51.82	81.43
17	42.87	39.11	41.25	43.40	47.00	55.00	75.04	87.62	92.87	85.96	85.93	85.95	85.95	85.95	82.15	84.00	87.94	91.75	84.38	79.93	75.91	64.89	61.50	53.49	92.87
18	52.01	50.10	49.00	47.50	48.50	54.85	70.01	81.65	80.95	81.65	77.78	79.91	76.09	75.81	78.03	80.10	91.92	89.73	82.30	79.18	74.04	66.54	60.75	48.54	91.92
19	55.05	50.70	49.06	44.43	46.99	57.02	71.98	82.06	85.46	85.93	81.94	78.07	75.05	72.50	78.02	85.42	95.12	97.36	90.00	88.08	85.93	79.09	72.27	65.09	97.36
20	50.88	50.23	49.80	48.40	50.21	65.03	76.28	107.58	107.58	109.68	97.94	95.55	94.67	90.56	90.99	99.95	117.04	119.93	109.48	90.37	89.92	75.09	75.00	62.53	119.93
21	56.26	54.11	54.11	50.55	54.10	58.04	73.97	79.97	79.97	80.59	79.16	77.93	71.99	68.80	70.38	73.03	91.77	94.62	77.79	72.03	67.15	63.64	62.39	51.77	94.62
22	60.92	55.05	49.09	39.29	41.50	47.10	54.08	60.00	65.44	69.85	68.99	65.91	60.69	56.49	56.23	63.94	80.41	80.90	74.84	72.97	62.63	49.90	36.70	16.10	80.90
23	45.63	39.99	33.83	30.90	29.34	31.28	34.99	39.04	46.54	49.94	56.91	49.94	54.90	50.98	52.46	64.79	78.47	83.91	76.70	75.89	73.93	71.21	47.79	42.94	83.91
24	47.79	34.98	31.53	28.01	28.61	32.90	34.87	45.57	52.06	53.83	52.41	52.68	51.49	49.93	48.03	49.94	53.33	55.53	51.66	47.79	37.59	27.38	34.12	9.72	55.53
25	19.80	10.75	9.72	10.75	9.98	10.75	11.47	23.78	29.06	34.18	32.60	28.41	25.58	27.98	30.02	34.87	50.06	53.85	52.64	53.00	54.24	52.09	52.00	45.63	54.24
26	32.91	28.01	23	19.80	18.99	22.73	35.90	55.35	56.35	56.50	52.08	43.52	37.40	37.15	41.17	41.92	70.03	71.97	70.10	68.65	63.41	36.97	54.98	47.19	71.97
27	41.37	37.70	34.90	38.98	38.97	44.06	60.09	69.48	66.20	65.52	65.74	65.99	68.01	67.89	68.32	72.07	75.04	78.02	73.85	70.06	69.17	60.33	64.19	37.70	78.02
28	57.09	37.06	34.47	31.12	41.37	50.03	53.39	61.16	64.95	67.08	66.55	65.44	64.88	61.62	61.30	64.93	72.23	74.86	71.99	71.97	70.09	69.55	69.19	58.64	74.86
29	50.18	46.60	44.49	42.36	42.38	43.00	44.92	59.34	62.08	66.01	64.13	60.73	55.06	43.04	46.51	55.95	66.49	75.05	72.95	72.46	67.48	60.59	39.49	26.19	75.05
30	37.98	29.94	25.91	19.54	18.56	30.27	42.64	38.30	56.12	61.32	66.34	67.04	64.09	60.51	63.97	68.60	84.03	90.63	80.30	75.91	73.93	66.34	54.76	49.50	90.63
31	50.03	38.86	36.71	32.97	34.66	40.55	42.07	50.86	54.00	56.00	57.58	58.02	58.84	57.41	56.18	57.10	72.05	76.08	70.83	55.34	54.55	50.95	51.51	45.00	76.08

Average **63.02 EUR/MWh**

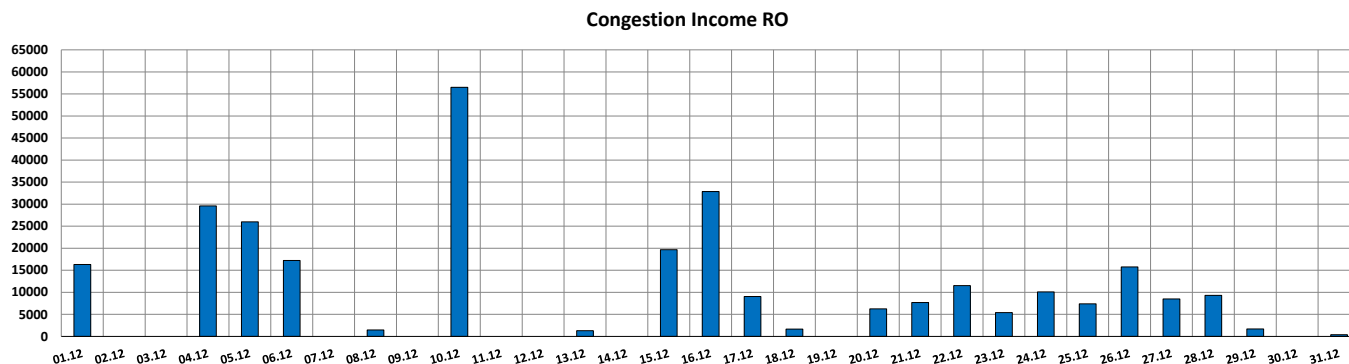
Public

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	29.80	23.58	19.09	9.62	4.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.80	
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
3	11.32	7.83	5.83	4.75	5.42	3.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.59	11.32	
4	-	-	-	-	-	-	-	-	11.35	3.56	-	-	-	-	-	-	12.79	26.88	9.45	0.64	7.50	-	-	-	-	26.88
5	-	-	-	-	-	4.84	-	-	16.30	7.97	0.05	-	-	-	-	-	-	-	-	-	4.78	27.35	22.13	19.59	27.35	
6	27.72	28.12	23.61	10.02	1.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.12	
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.64	7.64	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
10	-	-	-	-	3.99	18.08	-	11.14	16.89	14.15	13.01	16.05	16.85	17.13	13.30	-	9.74	2.90	5.53	5.91	-	-	-	-	18.08	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
13	-	-	-	-	-	-	-	2.98	-	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-	2.98	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
15	-	-	2.26	7.22	5.89	-	-	-	-	-	-	-	-	1.94	0.01	-	-	-	-	-	-	4.30	21.50	24.56	35.85	35.85
16	8.60	5.14	2.89	2.13	0.91	0.21	-	13.48	11.82	18.58	20.86	20.99	21.32	20.47	16.41	9.15	-	-	-	-	-	-	-	-	21.32	
17	7.58	8.85	5.71	2.30	-	-	-	3.82	6.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.85	
18	-	-	-	-	-	-	-	-	-	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.34	6.34
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
20	-	-	-	-	-	-	-	-	3.76	-	-	-	-	-	-	-	1.52	-	9.52	0.43	-	-	-	-	9.52	
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.31	11.20	-	-	-	-	-	-	11.20	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.13	18.31	34.15	34.15	
23	-	-	-	-	-	-	-	-	-	-	-	3.98	-	-	-	-	-	-	-	-	-	-	15.75	8.61	15.75	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	11.28	16.58	9.57	32.94	32.94		
25	7.54	10.24	2.64	0.18	-	-	-	-	-	-	4.45	11.15	12.00	3.75	-	-	-	-	-	-	-	-	-	-	12.00	
26	-	-	-	-	-	-	-	-	-	3.47	-	8.57	14.63	13.51	8.67	10.15	-	-	-	-	-	26.94	14.93	9.78	26.94	
27	6.08	4.23	6.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.74	-	21.62	21.62	
28	-	14.88	15.53	14.94	3.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.53	
29	-	-	-	-	-	-	-	-	-	-	-	-	-	7.21	-	-	-	-	-	-	-	-	-	-	7.21	
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
31	-	1.84	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.84	

Average 10.59 EUR/MWh

Daily implicit Auctions on Romanian – Hungarian border

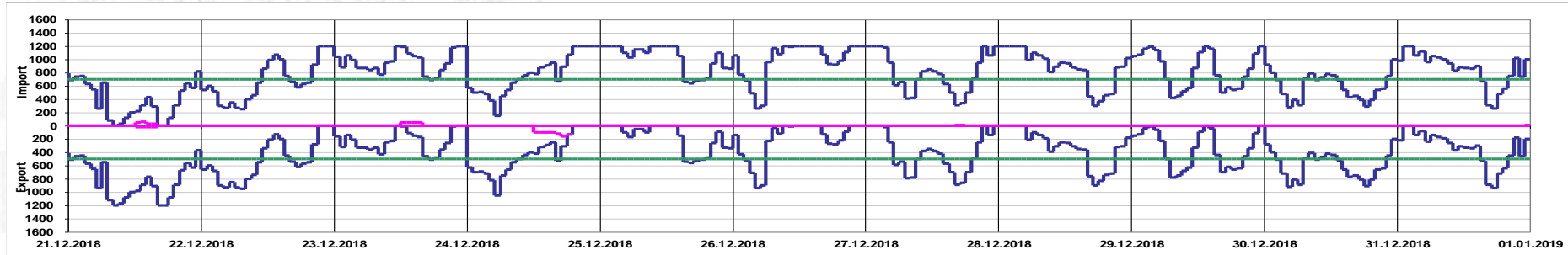
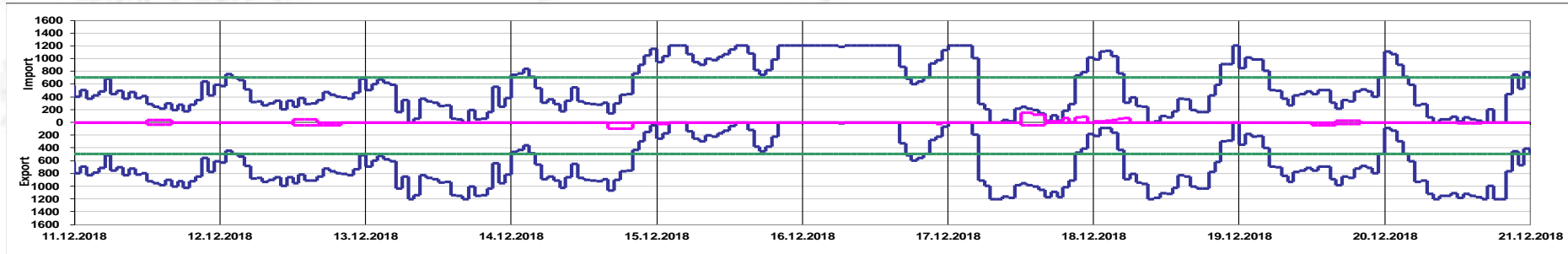
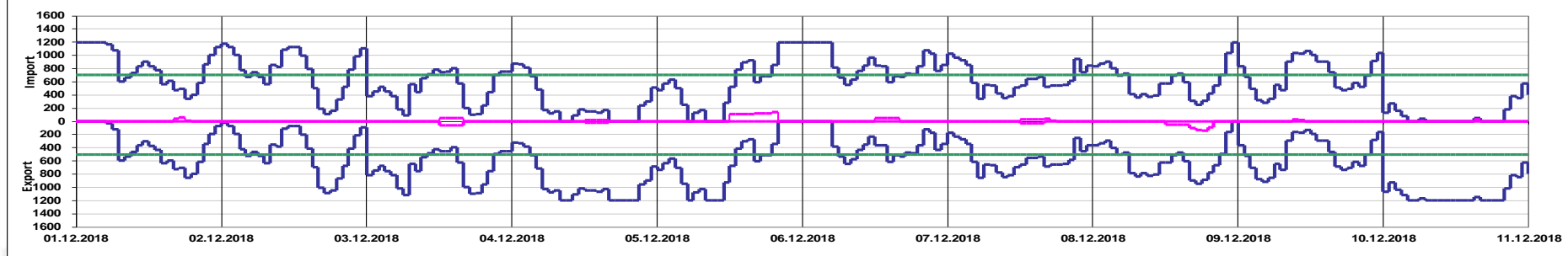


Day	Congestion Income border RO-HU [Euro]	Congestion Income RO [Euro]
01.12	32595	16298
02.12	0	0
03.12	0	0
04.12	59179	29590
05.12	51974	25987
06.12	34420	17210
07.12	0	0
08.12	2903	1452
09.12	0	0
10.12	113027	56513
11.12	0	0
12.12	0	0
13.12	2603	1301
14.12	0	0
15.12	39341	19671
16.12	65725	32862
17.12	18069	9035
18.12	3336	1668
19.12	0	0
20.12	12489	6244
21.12	15380	7690
22.12	23024	11512
23.12	10769	5385
24.12	20201	10100
25.12	14806	7403
26.12	31535	15768
27.12	16990	8495
28.12	18620	9310
29.12	3390	1695
30.12	0	0
31.12	779	390
Total	591155	295577

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-HU	HU-RO	RO-HU	HU-RO
354858	236297	324064	193449
591155		517513	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
73642	36821

Hungary December 2018



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

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

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

Auction Price [Euro/MWh] - Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max
1	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	-	-	-	-
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
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	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
16	-	-	-	-	-	-	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
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00
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
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	10.00	-	-	-	-	-	10.00
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
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
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
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
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
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

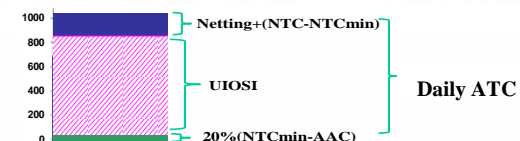
Auction Price [Euro/MWh] - Import

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
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
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
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
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
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
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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

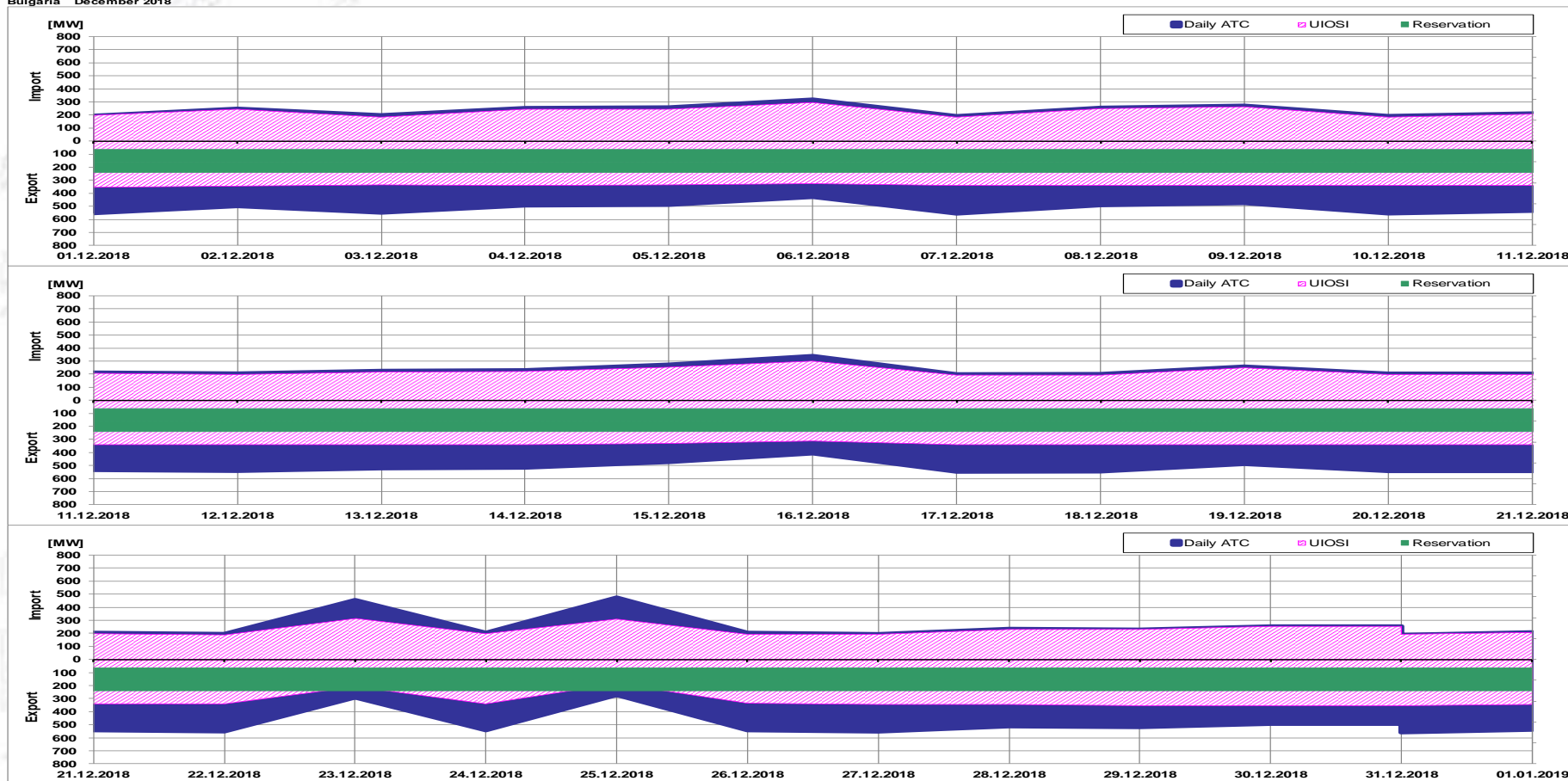
Hungary December 2018

Daily Auctions on Romanian – Bulgarian border

Reserved Capacity [MW] average value		Unused Capacity [MW] average value	
RO-BG	BG-RO	RO-BG	BG-RO
50	60	287	141

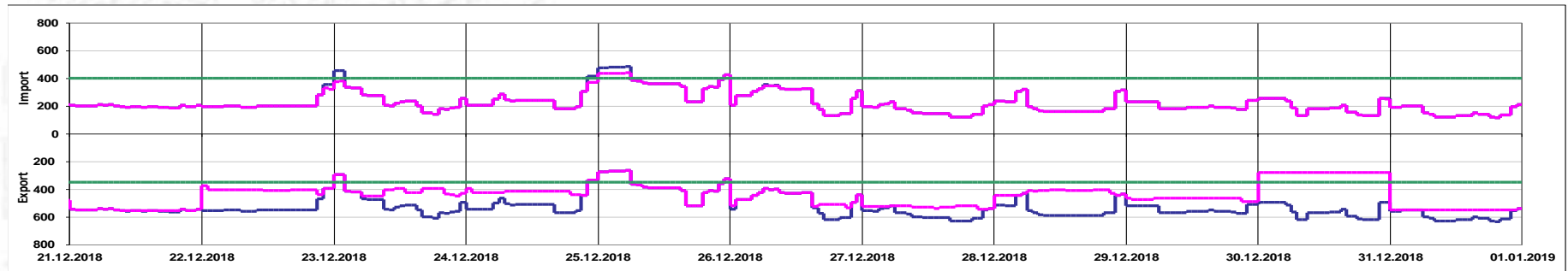
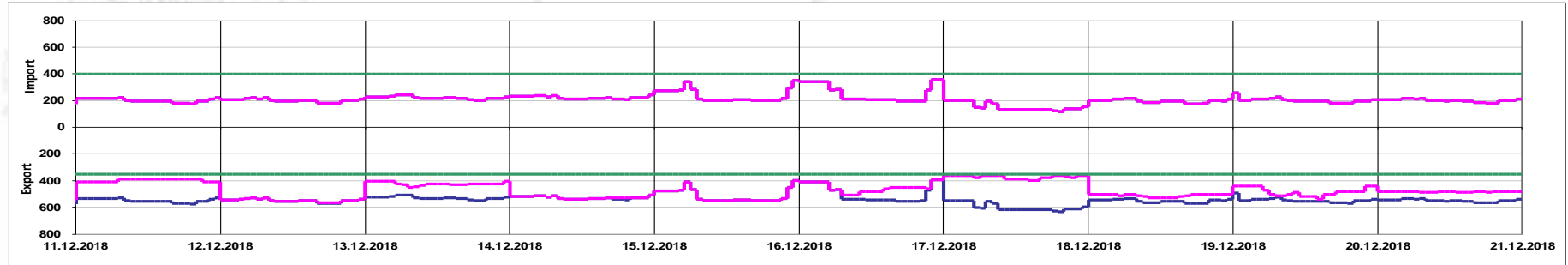
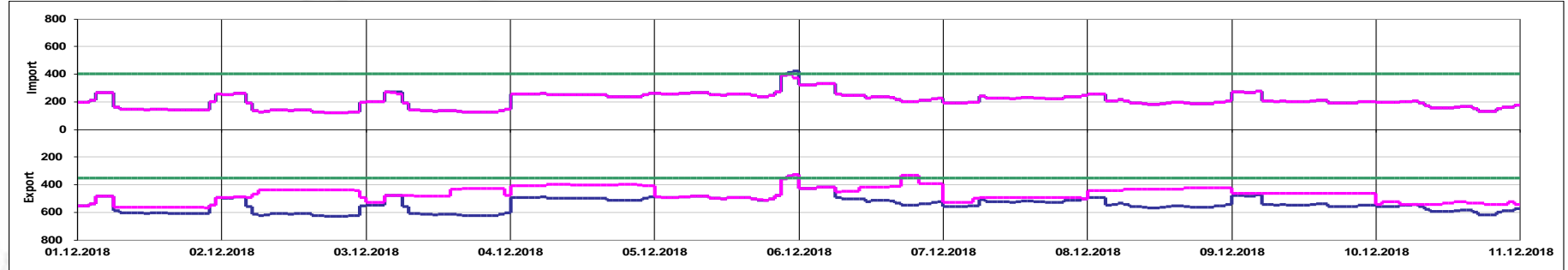


Bulgaria December 2018



Daily Auctions on Romanian – Bulgarian border

Bulgaria December 2018



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

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

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	0.22	0.22	0.22	0.22	0.22	0.22	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	0.07	0.12	0.22
2	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
3	0.00	0.00	0.00	0.11	0.11	0.11	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	0.11
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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.00	0.11	0.11	0.12	1.25	2.50	2.50	2.50	0.00
6	0.65	0.65	1.30	0.62	0.62	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30
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	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02
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	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02
15	0.04	0.04	0.05	0.05	0.05	0.11	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.09	0.77	0.77
16	0.02	0.02	0.02	0.02	0.02	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	0.02	0.02	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
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
23	0.66	0.66	0.08	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66
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	1.21	2.94	3.46	4.04	2.39	2.11	0.56	0.56	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.02	0.01	0.01	0.01	0.11	0.12	0.12	0.98	1.08	4.04	4.04
26	0.00	0.02	0.02	0.02	0.09	0.09	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.11
27	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
28	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

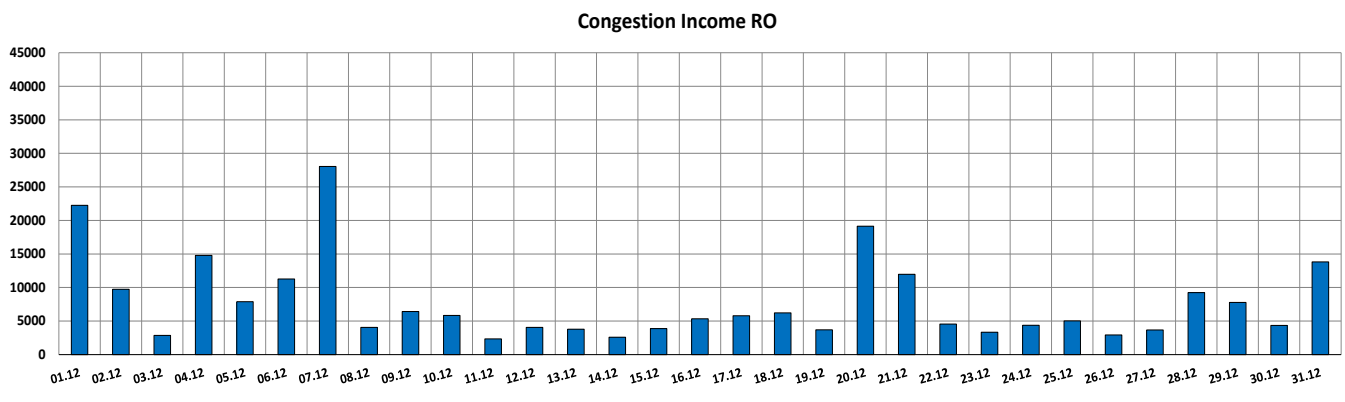
Bulgaria

December 2018

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	1.13	1.56	2.10	0.56	0.56	0.54	2.10	14.23	19.92	22.23	18.78	20.75	12.25	14.82	12.25	9.82	16.41	26.55	27.47	29.25	18.92	9.00	9.00	4.02	29.25	
2	0.93	0.93	0.93	0.93	1.20	1.92	2.11	2.11	4.82	6.19	6.92	6.43	6.24	3.44	1.88	5.55	15.00	18.00	20.65	18.92	12.89	7.39	2.73	1.13	20.65	
3	0.57	0.57	0.57	0.15	0.00	0.00	0.23	0.39	0.68	0.78	2.66	5.48	1.00	1.65	0.48	0.39	0.99	2.62	5.55	2.23	5.55	5.55	2.73	1.22	5.55	
4	0.33	0.64	0.64	0.57	0.57	0.64	2.84	6.66	5.50	6.34	6.50	6.53	6.53	6.50	6.13	8.63	14.01	14.01	13.23	1.59	4.86	3.34	3.09	0.64	14.01	
5	0.21	0.21	0.21	0.57	0.57	1.13	0.50	5.00	5.00	5.00	6.20	3.12	6.51	0.56	0.56	0.56	4.72	6.23	2.80	0.50	0.22	0.06	0.00	0.00	6.51	
6	0.33	0.33	0.33	0.33	0.33	0.33	1.43	1.77	2.20	1.25	2.21	1.51	1.17	1.51	1.76	2.70	15.15	22.31	14.69	9.77	5.67	4.95	2.56	1.23	22.31	
7	0.96	0.55	0.51	0.51	0.51	0.51	5.19	20.19	20.19	20.19	17.19	20.19	20.01	15.66	15.19	15.69	26.94	29.99	11.65	3.31	1.06	1.25	1.25	0.20	29.99	
8	0.51	0.51	0.51	0.51	0.51	0.51	1.21	1.76	1.76	1.76	2.55	2.55	1.53	1.53	1.53	2.56	3.69	4.20	4.20	3.69	1.76	0.84	1.22	0.80	4.20	
9	1.09	0.51	0.51	0.51	0.51	1.02	3.24	3.48	1.60	3.48	3.50	3.69	2.40	2.21	2.21	2.53	3.00	5.00	5.85	6.28	4.92	2.24	1.43	1.77	6.28	
10	0.55	0.55	0.55	0.55	0.55	0.55	0.56	2.06	5.05	4.00	3.21	1.02	1.02	1.02	1.02	3.69	11.11	15.15	10.69	11.11	1.55	1.55	1.00	1.00	15.15	
11	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.44	0.50	0.50	0.50	0.75	0.55	0.50	0.50	0.75	2.25	2.25	2.25	2.75	2.00	2.00	1.50	1.36	0.51	2.75
12	2.55	2.21	1.26	1.25	1.26	0.77	1.25	1.21	2.25	2.25	1.90	1.76	1.76	1.21	1.21	0.90	2.02	2.55	3.91	2.02	1.21	1.21	1.25	1.21	3.91	
13	2.70	2.70	2.22	2.22	1.13	0.31	0.51	0.59	1.01	2.01	2.01	2.11	2.01	2.01	0.78	0.78	0.78	1.17	1.56	1.01	0.97	1.75	0.97	0.97	2.70	
14	0.51	0.51	0.51	0.51	0.39	0.39	0.39	0.45	1.39	2.14	2.14	1.64	1.05	0.64	0.39	0.39	0.70	0.72	3.55	1.78	0.72	0.51	0.85	0.78	3.55	
15	0.51	0.53	0.53	0.53	0.53	0.34	0.51	1.77	3.20	2.90	3.10	2.38	1.30	0.80	0.90	2.38	2.30	1.70	2.20	1.60	2.00	0.51	0.38	0.05	3.20	
16	0.09	0.09	0.09	0.09	0.09	0.33	0.47	1.45	1.32	1.61	0.73	0.73	0.85	1.95	1.95	1.99	8.25	8.88	8.92	7.50	5.00	0.27	0.00	0.00	8.92	
17	2.55	2.55	2.55	2.50	2.50	2.55	2.55	0.66	0.66	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.88	2.88	14.84	8.85	6.17	2.88	2.55	14.84	
18	2.55	1.92	1.53	1.53	2.55	1.25	2.13	2.55	2.55	2.55	2.55	2.55	2.55	2.55	1.67	2.25	3.38	5.00	6.91	4.33	5.17	1.33	1.53	1.25	6.91	
19	0.09	1.74	1.74	0.77	1.74	1.57	1.10	0.93	1.25	1.13	0.57	1.13	0.57	0.57	0.57	0.30	3.55	5.55	5.55	3.55	0.99	1.20	0.99	0.99	5.55	
20	2.56	2.56	2.56	2.56	1.54	1.54	6.84	10.82	11.89	9.34	10.27	7.97	7.28	7.28	7.28	10.73	19.70	20.20	17.60	17.96	5.60	6.33	3.33	1.72	20.20	
21	2.99	3.10	3.10	3.10	3.10	2.74	1.54	7.54	6.85	8.66	5.89	4.81	3.75	3.32	2.38	3.21	12.50	14.26	10.70	3.75	3.90	3.20	3.25	3.25	14.26	
22	2.77	2.77	3.18	3.20	1.66	1.35	1.55	1.13	1.00	1.84	1.55	3.75	0.33	0.60	0.33	1.10	3.75	3.75	7.11	1.55	1.12	0.09	0.00	0.00	7.11	
23	0.00	0.00	0.09	0.09	0.09	0.11	0.37	0.37	0.44	1.13	1.23	1.23	1.13	1.13	1.09	1.13	3.57	5.39	5.39	3.19	2.62	1.69	1.25	1.13	5.39	
24	1.94	1.72	1.34	1.34	1.34	0.44	0.15	0.37	0.74	0.74	1.60	2.00	2.00	1.60	1.60	1.60	3.87	5.23	5.50	5.50	1.60	0.09	0.00	0.00	5.50	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.16	0.39	0.30	0.09	0.09	0.09	0.09	0.45	0.55	2.54	3.97	3.01	1.20	0.70	1.02	0.23	0.09	3.97	
26	1.61	0.25	0.25	0.25	0.06	0.03	0.00	0.00	0.00	0.40	0.40	0.40	0.22	0.22	0.00	1.10	1.07	4.58	5.60	3.00	7.92	6.10	0.25	0.03	7.92	
27	0.55	0.55	0.55	0.44	0.55	0.50	0.70	0.87	2.22	3.25	1.81	1.56	1.56	1.56	1.56	0.87	2.44	2.93	4.35	5.25	10.25	3.25	1.25	1.25	10.25	
28	2.78	3.50	2.57	2.57	0.98	0.51	2.15	2.51	3.50	5.55	5.55	6.96	5.55	5.55	3.50	5.55	4.57	2.15	5.55	12.00	11.25	7.25	0.95	0.25	12.00	
29	1.55	1.55	1.55	1.55	1.55	1.55	2.77	5.30	5.06	4.49	2.77	2.77	2.45	1.69	1.38	0.88	0.88	5.77	6.20	7.42	9.39	9.43	2.11	1.22	9.43	
30	0.00	0.00	0.00	0.00	0.00	0.04	0.20	3.50	3.88	3.50	3.50	3.50	2.77	2.77	1.20	0.64	5.50	3.25	8.78	8.88	2.01	3.24	0.09	0.00	8.88	
31	9.67	6.30	5.55	2.96	3.37	2.88	2.96	8.01	12.00	12.00	12.00	6.90	5.96	5.96	5.96	5.96	5.33	8.42	12.01	12.00	18.00	15.00	5.96	6.82	18.00	

Bulgaria December 2018

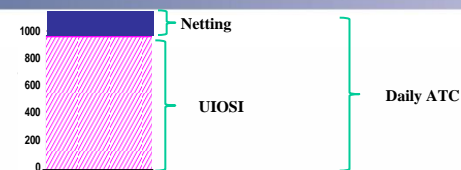


Day	Congestion Income border RO-BG [Euro]	Congestion Income RO [Euro]
01.12	44479	22240
02.12	19476	9738
03.12	5738	2869
04.12	29576	14788
05.12	15773	7886
06.12	22542	11271
07.12	56097	28048
08.12	8095	4047
09.12	12829	6415
10.12	11651	5825
11.12	4697	2349
12.12	8106	4053
13.12	7565	3782
14.12	5172	2586
15.12	7734	3867
16.12	10682	5341
17.12	11565	5782
18.12	12429	6215
19.12	7392	3696
20.12	38286	19143
21.12	23941	11970
22.12	9111	4555
23.12	6688	3344
24.12	8723	4361
25.12	10053	5027
26.12	5870	2935
27.12	7335	3668
28.12	18480	9240
29.12	15555	7777
30.12	8686	4343
31.12	27622	13811
Total	481946	240973

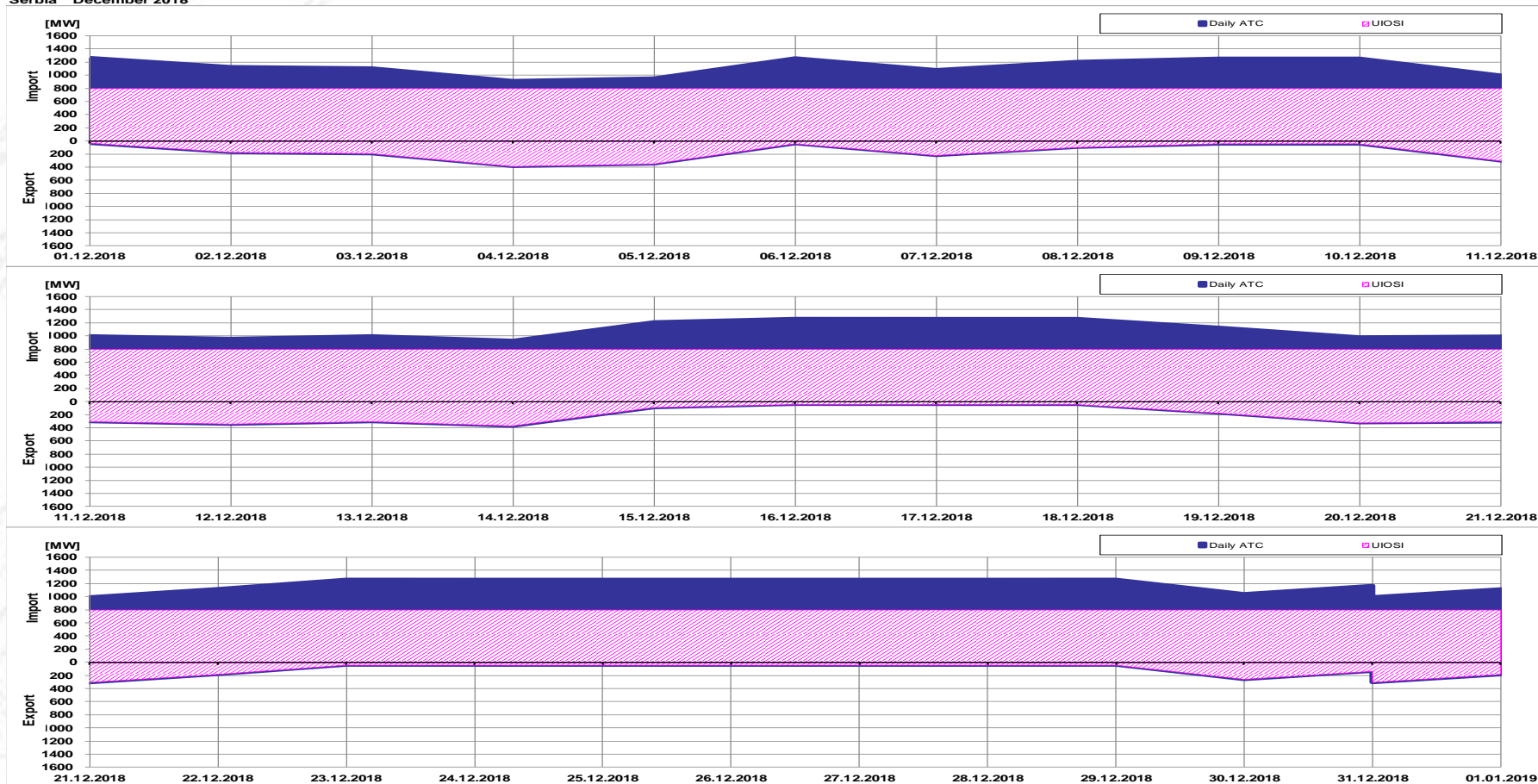
Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-BG	BG-RO	RO-BG	BG-RO
14386	467560	8182	304798
481946		312980	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
168966	84483

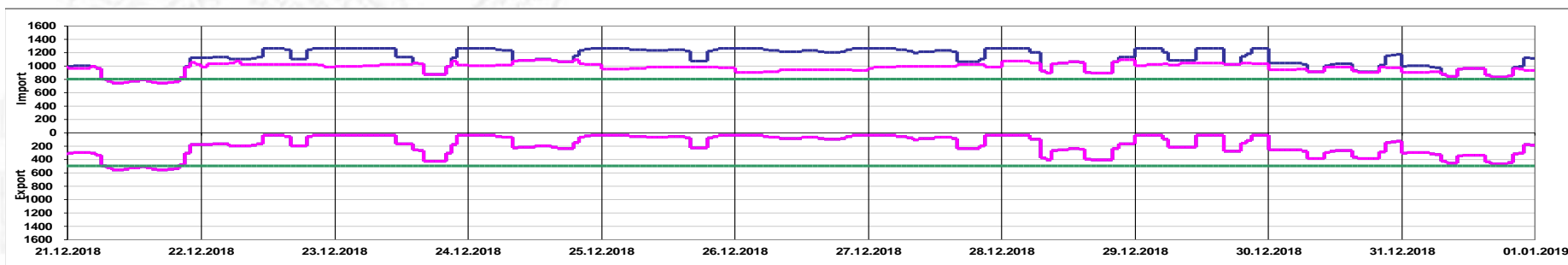
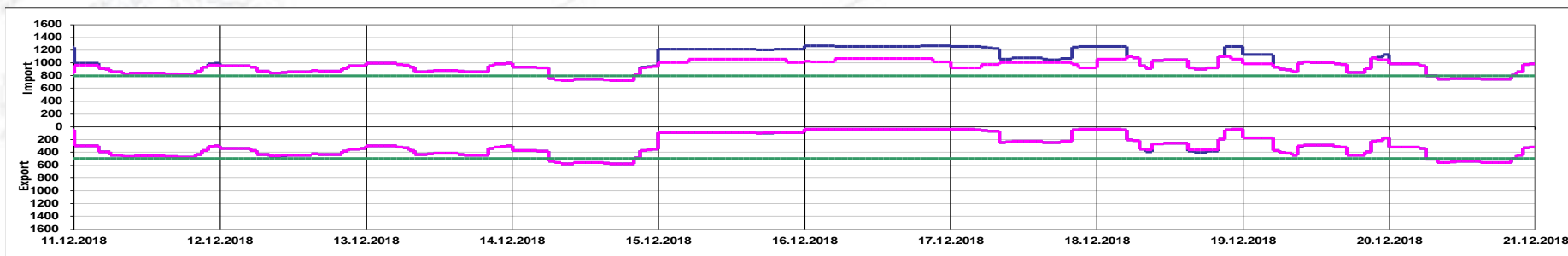
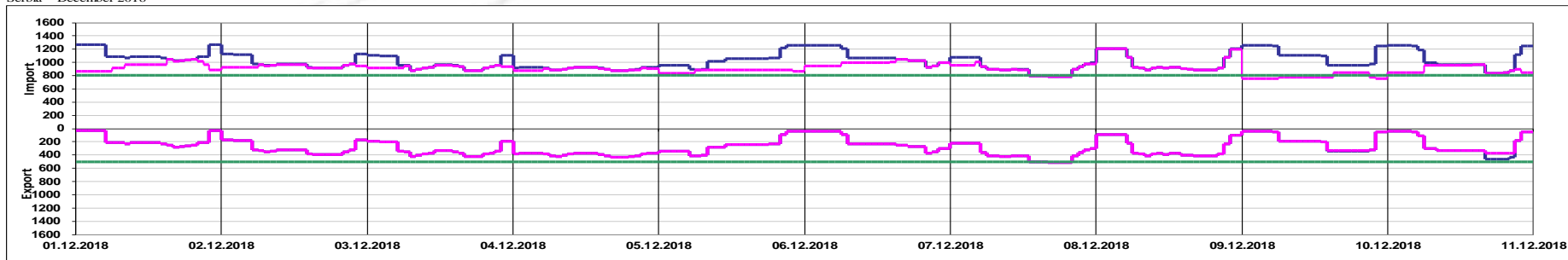
Unused Capacity [MW] average value	
RO-RS	RS-RO
233	782



Serbia December 2018



Serbia December 2018



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

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

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

Auction Price [Euro/MWh] – Export

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Max	
1	4.64	4.18	3.37	2.02	0.95	0.57	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.42	0.25	0.22	0.22	0.22	0.25	0.37	0.36	1.41	2.55	4.64	
2	2.11	2.11	2.11	1.88	1.88	0.09	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.05	0.02	0.02	0.02	0.02	0.02	0.07	0.08	1.00	2.56	2.56	
3	1.40	1.22	1.22	1.22	1.22	0.08	0.12	0.08	0.08	0.08	0.09	0.14	0.12	0.12	0.12	0.09	0.08	0.08	0.08	0.08	0.09	0.12	0.25	2.56	2.56	
4	0.14	0.14	0.14	0.14	0.14	0.22	0.15	0.15	0.15	0.21	0.22	0.22	0.21	0.21	0.21	0.15	0.14	0.14	0.14	0.15	0.22	0.27	0.14	0.17	0.27	
5	0.35	0.35	0.35	0.35	0.35	0.26	0.21	0.21	0.43	0.43	0.43	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.10	1.10	2.18	10.10	10.13	16.77	16.77	
6	15.10	20.00	10.00	10.00	5.55	3.27	2.56	1.73	1.05	0.96	0.82	0.97	0.71	0.88	0.68	0.38	0.38	0.38	0.38	0.38	0.26	0.38	0.69	0.69	20.00	
7	3.10	2.55	2.10	2.10	0.38	0.09	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.09	0.09	0.09	0.09	0.09	0.15	0.38	0.77	0.93	3.10	
8	0.35	0.35	0.35	0.35	0.35	0.25	0.16	0.25	0.19	0.25	0.27	0.25	0.27	0.27	0.25	0.19	0.19	0.19	0.19	0.19	0.25	0.65	0.35	0.35	0.65	
9	1.17	1.17	1.17	1.17	1.17	0.87	0.22	0.22	0.22	0.22	0.36	0.36	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.11	2.11	2.11	
10	0.55	0.55	0.55	0.55	0.50	0.33	0.05	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.26	0.50	0.50	0.55	
11	0.76	0.97	0.97	0.97	0.97	0.13	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.26	0.53	0.53	0.97	
12	0.19	0.19	0.19	0.19	0.19	0.09	0.07	0.06	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.07	0.26	0.19	0.19	0.26
13	0.56	0.56	0.56	0.56	0.56	0.18	0.18	0.14	0.09	0.09	0.11	0.12	0.12	0.12	0.12	0.11	0.09	0.09	0.09	0.09	0.14	0.53	0.53	0.55	0.56	
14	0.21	0.21	0.21	0.21	0.21	0.09	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	0.05	0.65	1.63	2.72	2.72	
15	5.88	6.76	6.71	10.10	5.88	5.37	5.54	3.22	3.22	4.10	4.10	4.10	5.88	5.88	5.88	3.22	3.10	5.10	5.10	8.10	9.10	12.10	18.10	23.00	23.00	
16	11.37	8.93	10.00	9.00	9.00	3.82	2.76	3.00	3.00	5.00	5.00	5.00	5.00	5.00	3.00	2.30	1.22	1.22	1.22	1.22	3.00	7.00	8.00	11.90	11.90	
17	8.00	8.00	8.00	8.00	4.13	3.53	1.00	0.83	0.09	0.16	0.16	0.16	0.16	0.16	0.16	0.09	0.09	0.09	0.16	0.16	1.91	5.00	5.00	5.00	8.00	
18	7.11	8.11	8.11	4.55	2.22	0.25	0.14	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.14	2.22	3.33	3.33	8.11	
19	2.22	2.22	2.20	2.55	2.00	0.16	0.10	0.08	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.06	0.06	0.06	0.08	0.20	0.88	1.00	2.55	
20	0.29	0.30	0.30	0.30	0.29	0.09	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	0.29	0.29	0.30	
21	0.20	0.20	0.20	0.20	0.20	0.10	0.03	0.02	0.01	0.01	0.01	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.20	0.41	0.41	0.41
22	0.83	0.83	0.83	0.83	0.83	0.38	0.38	0.34	0.34	0.38	0.38	1.23	1.23	1.23	1.23	1.05	0.20	0.14	0.20	0.41	2.43	10.11	17.23	20.23	20.23	
23	7.55	7.11	6.80	6.26	4.18	3.53	4.76	3.23	3.90	3.35	3.84	0.78	0.55	0.54	0.19	0.09	0.01	0.01	0.01	0.01	0.05	0.29	1.11	1.82	7.55	
24	3.55	3.55	2.55	0.77	0.77	0.77	0.61	0.61	0.33	0.33	0.33	0.33	0.43	0.43	0.43	0.33	0.61	0.61	0.61	1.10	2.26	5.34	10.88	14.22	14.22	
25	10.01	10.00	9.99	6.54	6.23	6.23	6.23	5.68	5.68	7.76	7.84	6.27	6.23	5.68	2.50	1.25	0.47	0.47	0.47	0.79	4.00	10.97	5.31	10.05	10.97	
26	3.75	3.75	3.75	3.33	3.00	2.23	2.23	2.56	2.20	1.88	1.88	1.88	2.20	2.20	0.44	0.36	0.36	0.36	0.36	0.36	1.25	2.59	2.59	2.20	3.75	
27	3.00	3.00	3.82	3.05	3.17	1.85	0.36	0.85	0.36	0.36	0.36	0.36	0.85	0.85	0.85	0.36	0.10	0.10	0.10	0.11	0.13	1.75	3.00	2.70	3.82	
28	6.75	5.87	7.05	6.30	5.75	2.48	0.88	0.02	0.02	0.09	0.11	0.11	0.11	0.11	0.11	0.07	0.07	0.07	0.07	0.07	0.88	0.78	0.77	0.77	7.05	
29	2.22	2.02	2.80	1.89	1.34	0.77	1.22	0.68	0.52	0.87	1.29	6.22	8.48	10.50	8.98	9.16	1.22	0.89	0.69	1.22	0.88	3.00	3.00	4.25	10.50	
30	1.99	0.56	0.56	0.56	0.56	0.56	0.55	0.05	0.05	0.05	0.22	0.22	0.30	0.30	0.06	0.05	0.05	0.05	0.05	0.05	0.22	0.33	0.56	0.56	1.99	
31	1.56	0.56	0.56	0.56	0.56	0.45	0.42	0.11	0.06	0.06	0.22	0.22	0.22	0.22	0.22	0.09	0.06	0.06	0.06	0.09	0.30	0.30	1.00	1.00	1.56	

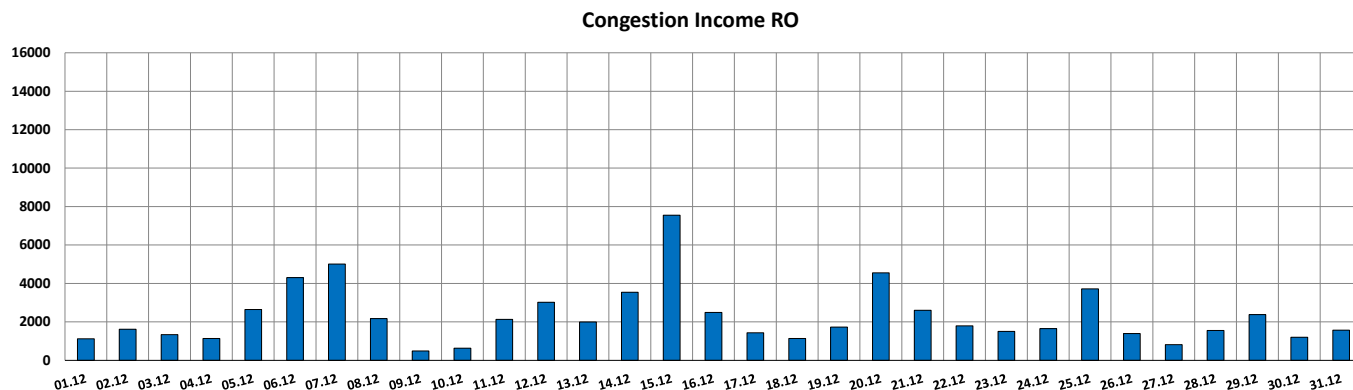
Serbia December 2018

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	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	
2	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	0.03	0.03	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.00	0.00	0.08
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.00	0.00	0.00	0.01	0.02	0.04	0.04	0.04	0.04	0.04	0.02	0.00	0.00	0.00	0.04
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.01	0.05	0.13	0.13	0.13	0.13	0.13	0.05	0.01	0.00	0.00	0.13
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	0.10	0.50	0.54	0.54	0.38	0.50	0.10	0.09	0.09	0.09	0.54
7	0.00	0.00	0.00	0.00	0.00	0.02	0.35	0.54	0.38	0.38	0.26	0.35	0.35	0.54	0.86	1.00	0.78	0.57	0.26	0.02	0.01	0.00	0.00	0.00	0.00	1.00
8	0.01	0.01	0.01	0.01	0.01	0.02	0.10	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.28	0.33	0.33	0.33	0.27	0.12	0.03	0.01	0.01	0.01	0.33
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	0.02	0.11	0.21	0.21	0.21	0.21	0.21	0.11	0.00	0.00	0.00	0.21
11	0.00	0.00	0.00	0.00	0.02	0.02	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.21	0.21	0.21	0.21	0.21	0.11	0.03	0.00	0.00	0.00	0.21
12	0.01	0.01	0.01	0.01	0.01	0.09	0.19	0.23	0.23	0.93	0.90	0.19	0.10	0.10	0.10	0.18	0.23	0.23	0.99	0.99	0.09	0.05	0.03	0.01	0.01	0.99
13	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.05	0.01	0.01	0.01	0.14
14	0.01	0.01	0.01	0.05	0.05	0.09	0.27	0.54	0.54	0.54	0.54	0.50	0.38	0.32	0.32	0.50	0.50	0.50	0.29	0.26	0.13	0.05	0.01	0.01	0.01	0.54
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	0.01	0.01	0.02	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.01	0.00	0.00	0.00	0.05
19	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.07	0.07	0.05	0.01	0.01	0.01	0.01	0.01	0.05	0.06	0.07	0.07	0.07	0.06	0.01	0.00	0.00	0.00	0.07
20	0.04	0.04	0.04	0.04	0.06	0.33	0.43	0.53	1.03	1.00	0.53	0.43	0.43	0.43	0.43	0.53	0.71	0.71	1.00	1.00	0.53	0.35	0.09	0.05	0.05	1.03
21	0.00	0.00	0.00	0.00	0.02	0.03	0.10	0.43	0.50	0.50	0.43	0.43	0.43	0.21	0.30	0.30	0.50	0.50	0.50	0.50	0.21	0.05	0.00	0.00	0.00	0.50
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	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.02	0.00	0.00	0.00	0.05
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	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	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	0.03	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09	0.09	0.09	0.09	0.09	0.01	0.00	0.00	0.00	0.09
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	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
30	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	0.00	0.00	0.01	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.05
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.07	0.01	0.01	0.01	0.01	0.01	0.07	0.09	0.09	0.09	0.07	0.00	0.00	0.00	0.00	0.00	0.09

Serbia December 2018

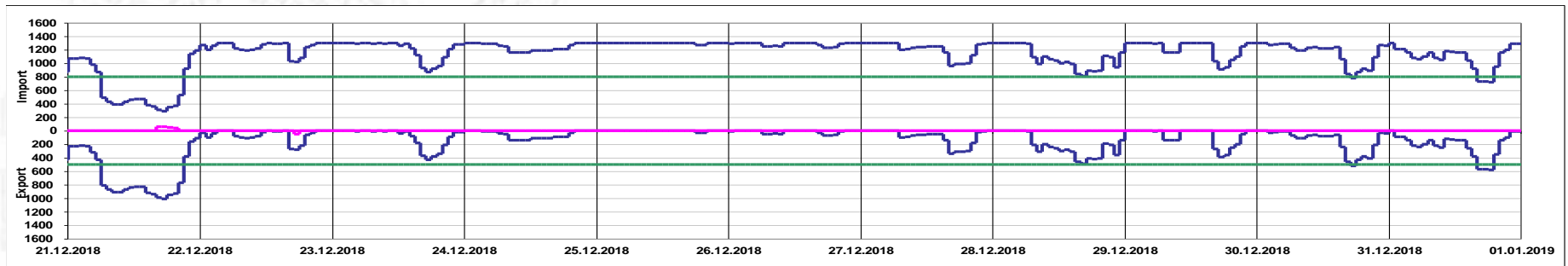
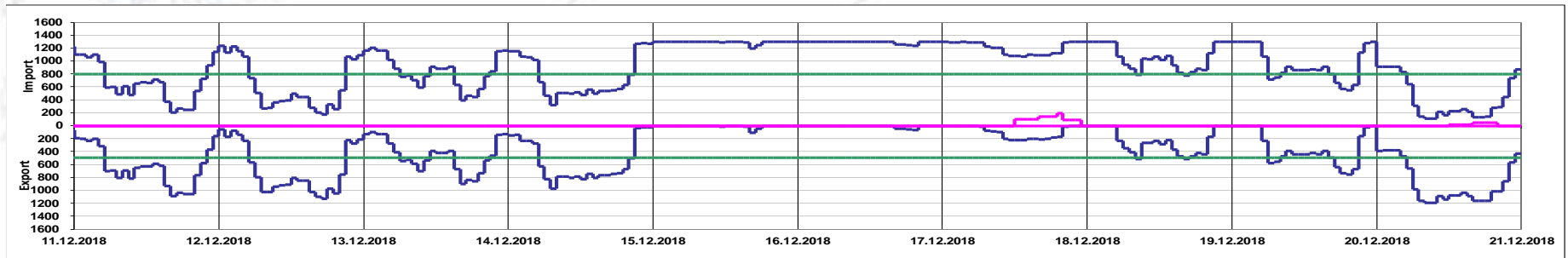
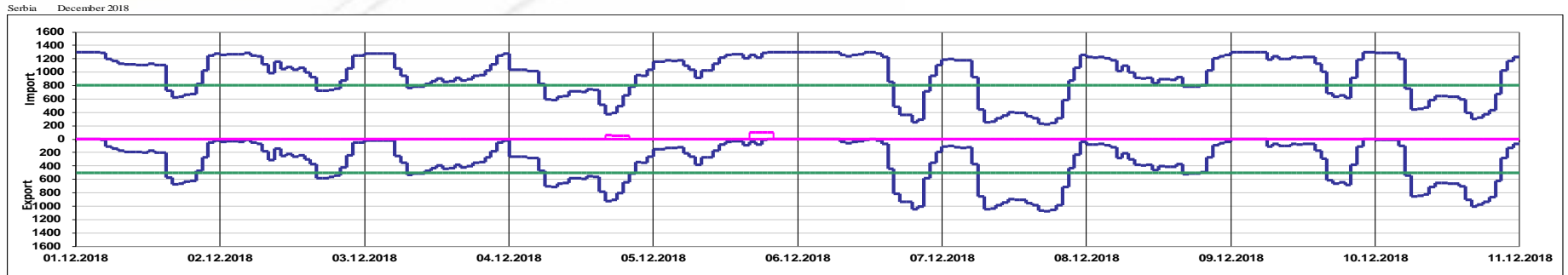
Daily Allocation on Romanian – Serbian border



Day	Congestion Income border RO-RS [Euro]	Congestion Income RO [Euro]
01.12	2246	1123
02.12	3239	1619
03.12	2676	1338
04.12	2279	1140
05.12	5287	2643
06.12	8612	4306
07.12	10021	5010
08.12	4338	2169
09.12	975	487
10.12	1270	635
11.12	4257	2129
12.12	6046	3023
13.12	3988	1994
14.12	7087	3543
15.12	15106	7553
16.12	4989	2495
17.12	2860	1430
18.12	2274	1137
19.12	3457	1729
20.12	9101	4551
21.12	5202	2601
22.12	3583	1791
23.12	3005	1503
24.12	3299	1650
25.12	7441	3720
26.12	2792	1396
27.12	1629	815
28.12	3108	1554
29.12	4754	2377
30.12	2403	1202
31.12	3143	1571
Total	140469	70234

Daily Income [Euro]		Remuneration UIOSI [Euro]	
RO-RS	RS-RO	RO-RS	RS-RO
97222	43246	95338	37735
140469		133073	

TSO Income (Z-R) [Euro]	RO TSO Income (Z-R) [Euro]
7396	3698



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

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

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

Auction Price [Euro/MWh] - Export

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

Serbia December 2018

Auction Price [Euro/MWh] - Import

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

Serbia December 2018

Statistics on Monthly Auction

December 2018		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	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	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	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
Hungary import	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	13	13	13	13	13	13	13	13	
	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	
	Number of Bids	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	
Bulgaria export	Number of Capacity Traders	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	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	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
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	
	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	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
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	13	13	13	13	13	13	13	13	
	Number of Capacity Holders	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	Number of Bids	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
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	9	9	9	9	9	9	9	9	9	9	9	9	
	Number of Bids	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
Ukraine export	Number of Capacity Traders	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	Number of Capacity Holders	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	Number of Bids	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	
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	6	6	6	
	Number of Capacity Holders	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	Number of Bids	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	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

December 2018	Maximum	Minimum
Number of Capacity Traders	19	6
Number of Capacity Holders	13	5
Number of Bids	101	15

Statistics on Daily Auctions

December 2018		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	7	7	9	10	10	8	8	6	7	9	8	8	8	10	6	7	8	9	8	9	9	9	8	8	9	8	8	9	8	7	7	
	Maximum Number of Capacity Holders	6	6	6	6	6	5	7	5	6	7	8	8	7	7	5	3	6	8	7	7	7	5	7	5	5	5	6	7	5	6	6		
	Maximum Number of Bids	24	18	21	21	22	27	25	24	17	17	27	27	25	25	24	12	16	18	26	25	27	23	21	19	20	20	20	21	20	18	20		
Serbia Import	Maximum Number of Capacity Traders	10	7	7	10	9	11	10	11	6	8	10	10	9	10	8	7	8	9	8	11	10	8	8	8	8	8	8	8	9	9	7	7	
	Maximum Number of Capacity Holders	10	7	7	10	9	11	10	10	6	8	8	9	8	9	8	7	8	9	8	10	9	8	8	8	8	8	8	8	9	9	7	7	
	Maximum Number of Bids	27	23	24	29	24	32	33	35	19	23	26	37	27	31	24	22	21	25	25	36	31	25	24	24	23	21	24	26	23	21	21		
Bulgaria Export	Maximum Number of Capacity Traders	9	7	7	8	11	11	9	7	6	6	7	7	9	9	12	7	6	10	1	1	4	2	2	1	4	1	2	2	2	4	4		
	Maximum Number of Capacity Holders	8	7	7	8	9	10	9	7	6	6	7	7	9	9	11	7	6	10	10	8	8	7	9	8	7	8	8	8	8	5	6		
	Maximum Number of Bids	15	12	12	12	16	17	16	11	11	12	10	15	15	17	21	14	9	18	16	13	14	13	15	12	15	15	17	12	12	6	12		
Bulgaria Import	Maximum Number of Capacity Traders	11	7	7	11	9	11	11	10	10	8	12	10	10	10	9	8	10	11	2	1	2	3	2	1	3	2	1	4	2	1	2		
	Maximum Number of Capacity Holders	8	7	6	8	8	7	8	7	7	7	9	8	7	8	8	6	7	6	8	7	9	10	9	9	9	10	7	10	9	8	6		
	Maximum Number of Bids	20	15	12	18	18	18	17	18	17	14	17	17	19	19	17	15	14	19	16	22	25	21	21	18	22	20	17	21	17	16	16		

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

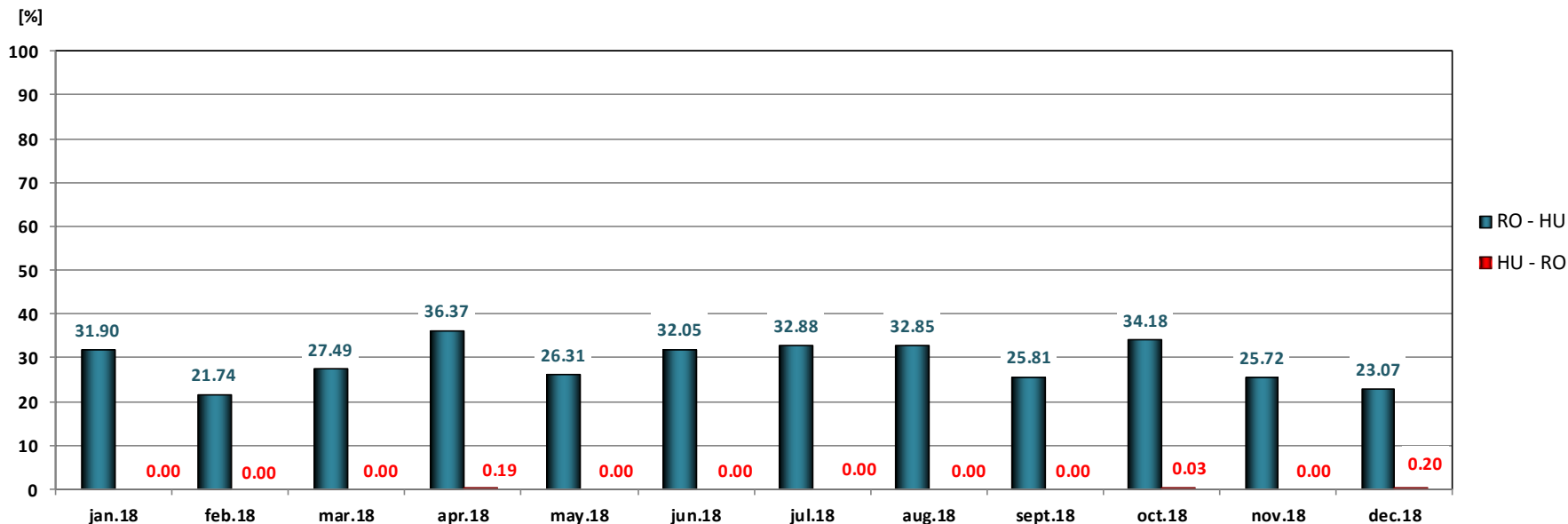
Statistics on Intraday Auctions

December 2018		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
Hungary Export	Maximum Number of Capacity Traders	0	0	2	1	0	0	1	2	0	0	1	1	0	2	1	1	1	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0
	Maximum Number of Capacity Holders	-	-	2	1	0	-	1	2	-	-	1	1	-	2	1	1	1	-	1	1	1	-	-	2	-	-	-	-	-	-	-	-	-
Hungary Import	Maximum Number of Capacity Traders	1	0	2	1	2	1	1	0	1	1	1	1	0	0	0	0	2	1	1	0	1	0	1	0	0	0	0	1	1	0	0	1	
	Maximum Number of Capacity Holders	1	-	2	1	2	1	1	0	1	1	1	1	-	-	-	-	2	1	1	-	1	-	1	-	-	-	-	1	1	-	-	0	
Serbia Export	Maximum Number of Capacity Traders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	
	Maximum Number of Capacity Holders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	
Serbia Import	Maximum Number of Capacity Traders	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	Maximum Number of Capacity Holders	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	

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

Usage Level of Allocated Capacity

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

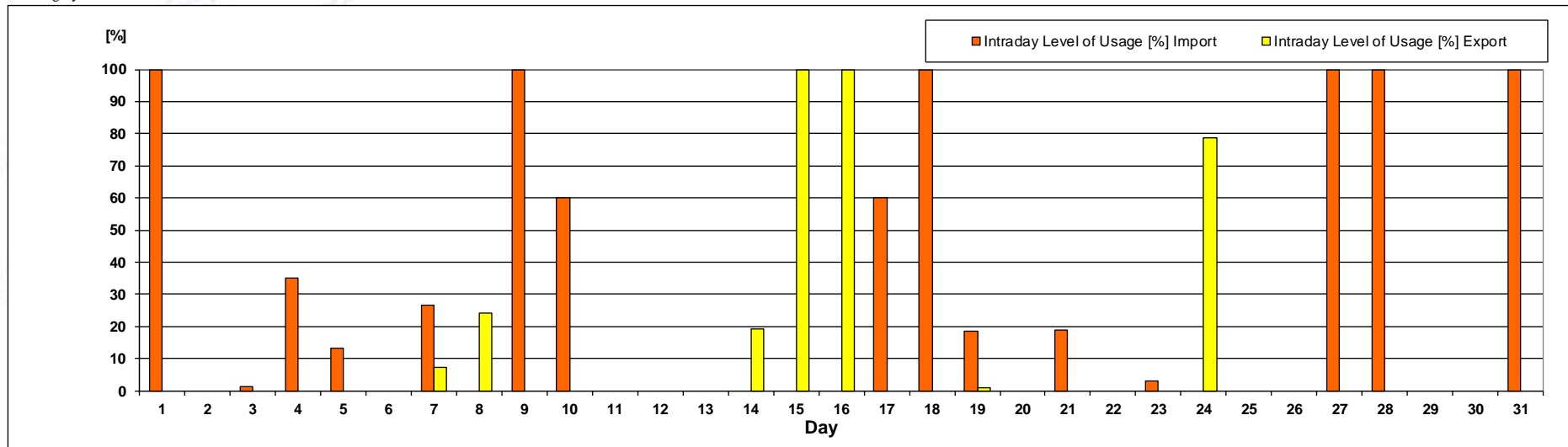


CET

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: 29.2 % on export direction and 0.04 % on import direction.

Usage Level of Intraday Allocated Capacity

Hungary December 2018



Intraday Level of Usage [%]

December 2018	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	100.00	-	1.36	35.00	13.19	0.00	26.70	-	100.00	60.00	0.00	0.00	-	-	-	-	60.05	100.00	18.33	-	18.82	-	3.00	-	-	-	100.00	100.00	-	-	100.00
Export	-	-	0.00	0.00	-	-	7.14	24.13	-	-	0.00	0.00	-	19.25	100.00	100.00	0.00	-	0.99	0.00	0.00	-	-	78.59	-	-	-	-	-	-	

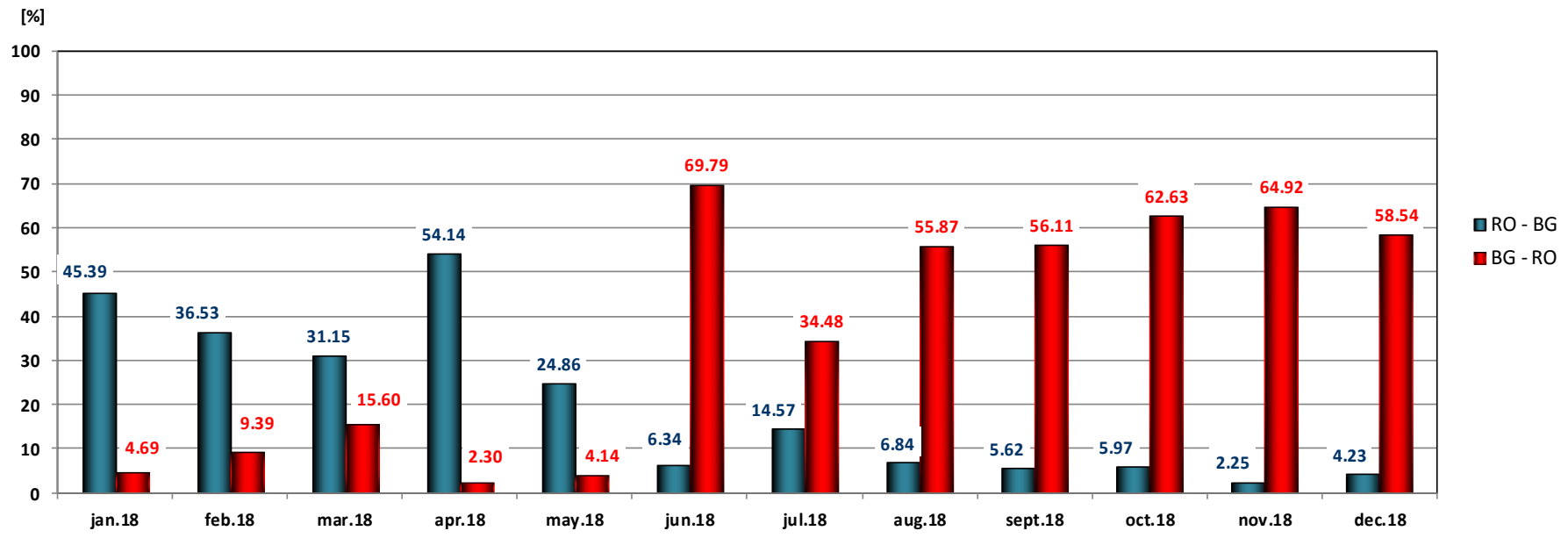
Level of usage of intraday allocated capacity, calculated at monthly level, as ratio between sum of nominated intraday capacities and sum of intraday allocated capacities, has the following values:

- Import 32.25 [%]

- Export 26.63 [%]

Usage Level of Allocated Capacity

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



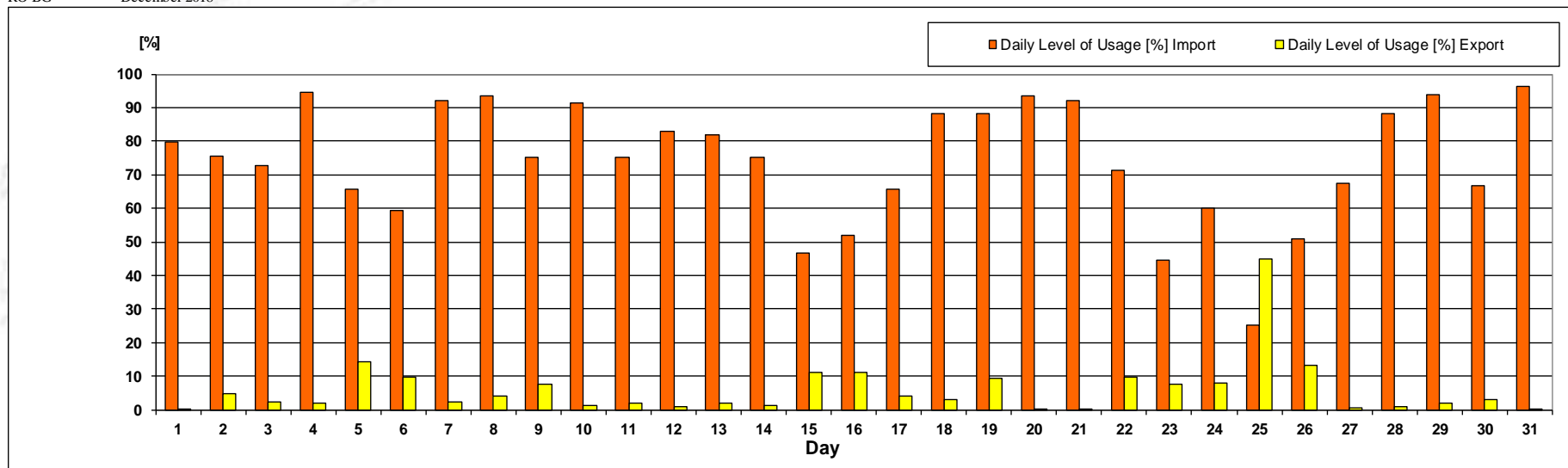
CET

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: 19.82 % on export direction and 36.54 % on import direction.

Usage Level of Daily Allocated Capacity

RO-BG

December 2018



Daily Level of Usage [%]

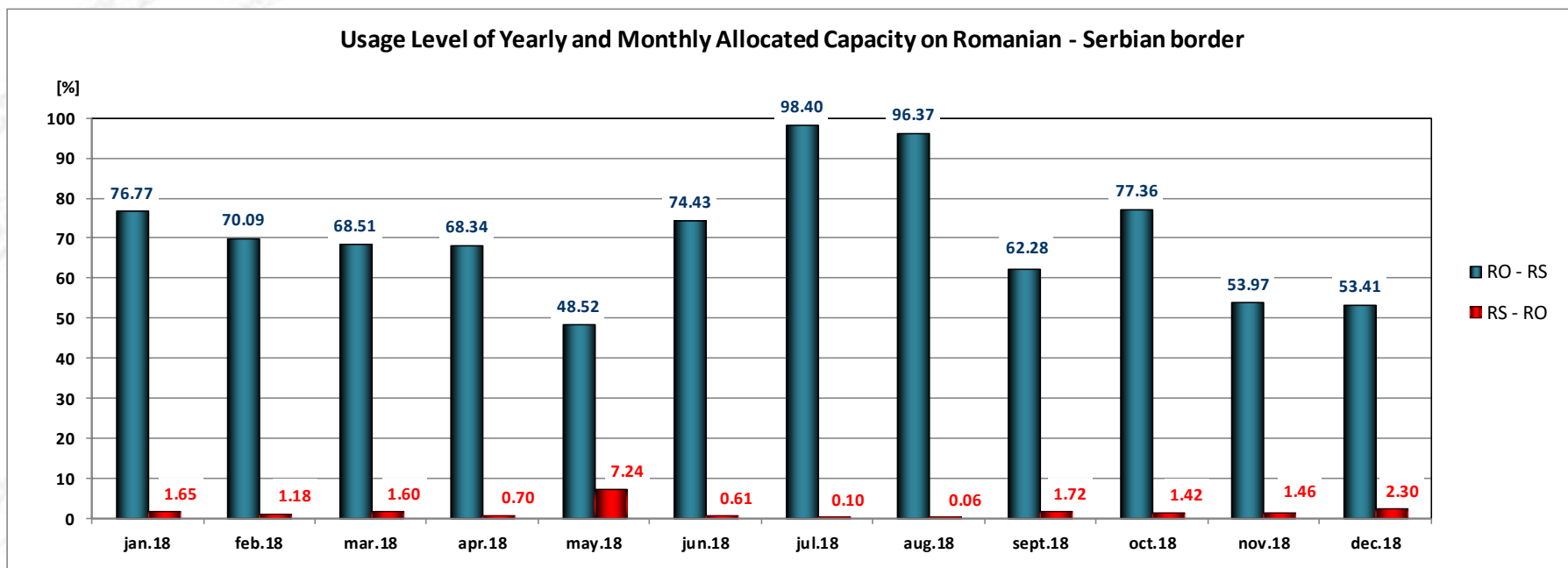
December 2018	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	79.85	75.45	72.58	94.56	65.74	59.25	92.20	93.60	75.32	91.45	75.06	82.81	81.88	75.26	46.76	51.86	65.78	88.36	88.33	93.55	92.16	71.30	44.40	60.05	25.05	50.87	67.29	88.04	93.99	66.89	96.34
Export	0.11	4.72	2.31	2.08	14.41	9.81	2.46	3.93	7.66	1.16	1.79	0.99	1.97	1.08	11.11	11.12	4.10	2.87	9.21	0.22	0.30	9.52	7.61	7.80	44.75	13.27	0.66	0.77	1.83	2.91	0.15

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 72.20 [%]

- Export 5.52 [%]

Usage Level of Allocated Capacity

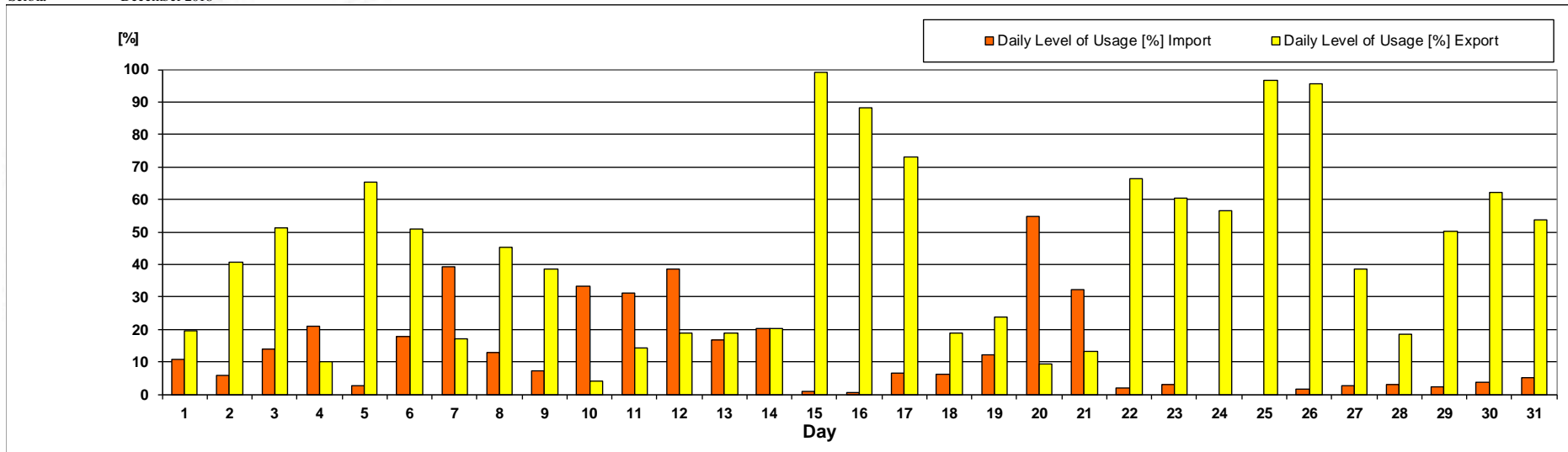


CET

Usage level of yearly and monthly allocated capacity was calculated as ratio between nominated capacity and sum of allocated capacity at yearly and monthly auctions. From the beginning of the year, the average values (arithmetic) of usage level are: 70.7 % on export direction and 1.67 % on import direction.

Usage Level of Daily Allocated Capacity

Serbia December 2018



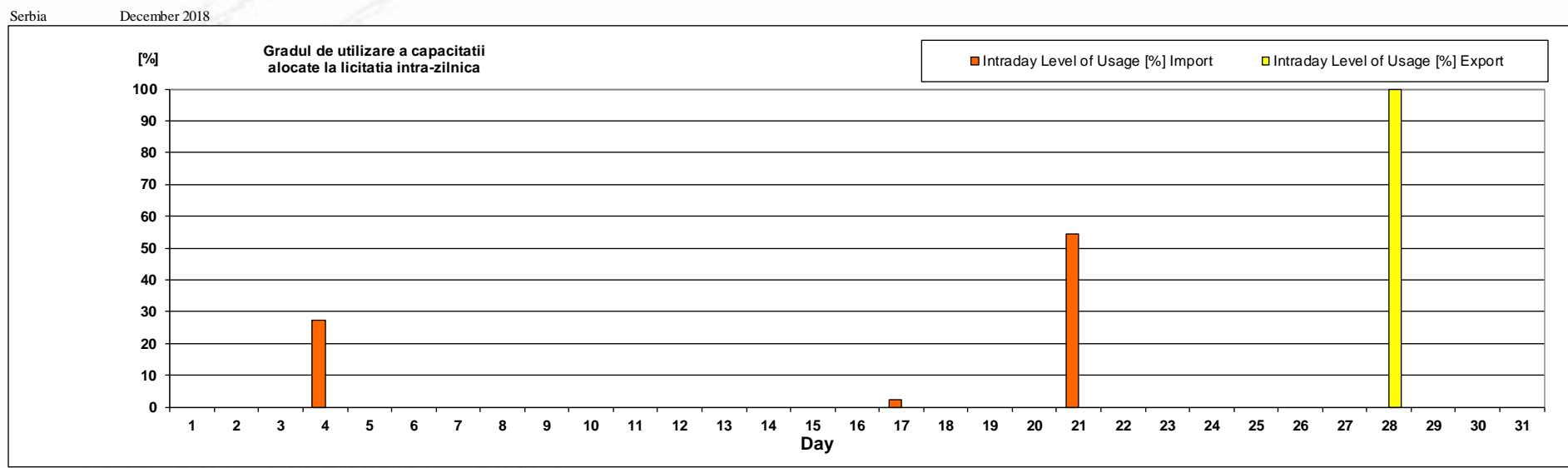
Daily Level of Usage [%]

December 2018	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	10.69	5.95	13.93	21.01	2.48	17.78	39.24	12.95	7.38	33.41	31.28	38.50	16.81	20.37	0.71	0.41	6.40	5.99	12.16	54.89	32.04	1.99	3.03	0.00	0.00	1.62	2.73	2.93	2.13	3.59	5.27
Export	19.58	40.63	51.20	9.94	65.28	50.89	17.06	45.21	38.40	4.09	14.43	18.74	18.80	20.11	99.07	88.12	73.07	19.00	23.64	9.23	13.12	66.39	60.45	56.59	96.77	95.44	38.51	18.34	50.05	62.11	53.61

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 12.52 [%]
- Export 32.92 [%]

Usage Level of Intraday Allocated Capacity



Intraday Level of Usage [%]

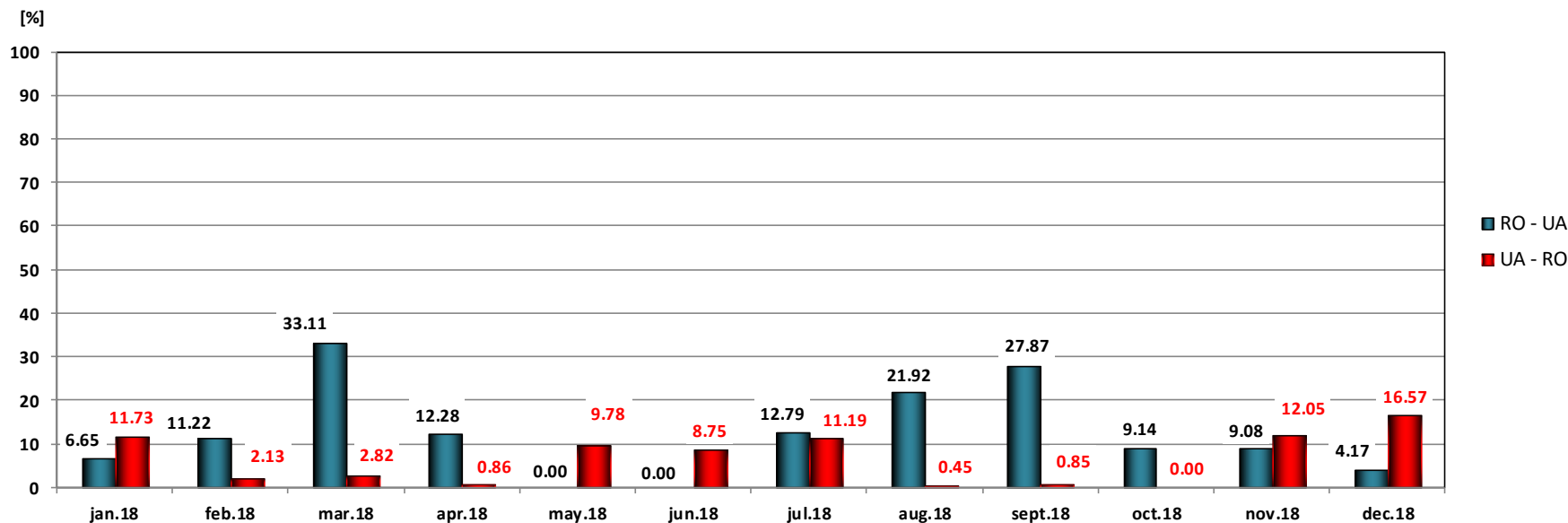
December 2018	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Import	-	-	-	27.36	0.00	-	-	-	-	-	-	-	-	-	-	-	2.42	-	-	0.00	54.46	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	100.00	-	-	-

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

- Import 8.38 [%]
- Export 2.17 [%]

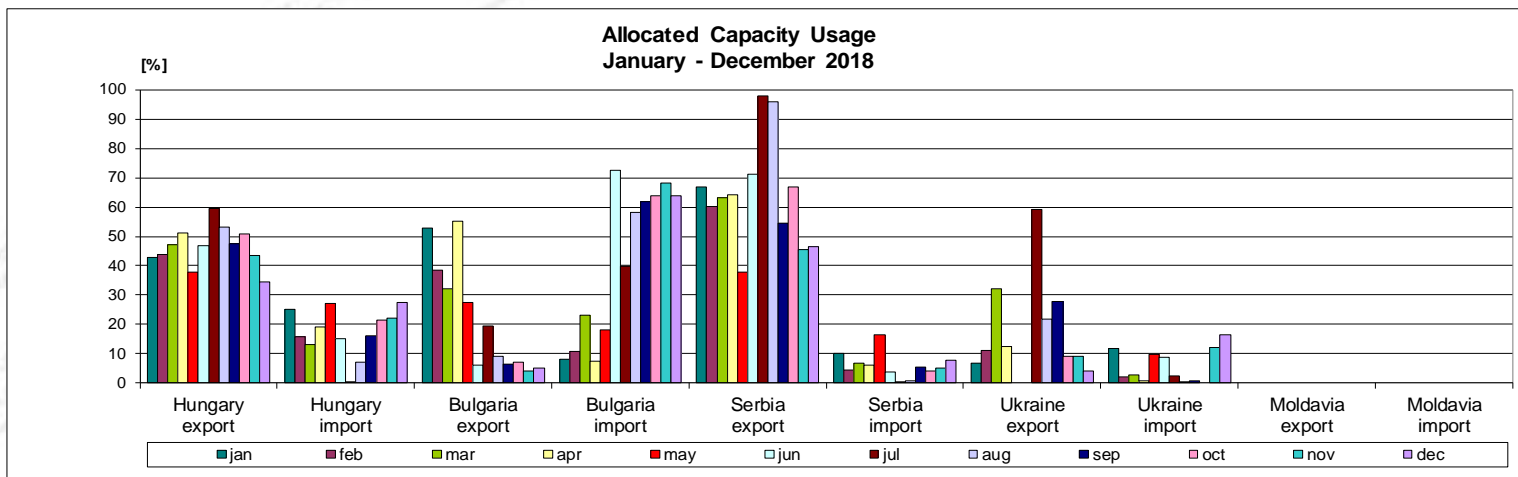
Usage Level of Allocated Capacity

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: 13.48 % on export direction and 6.43 % on import direction.



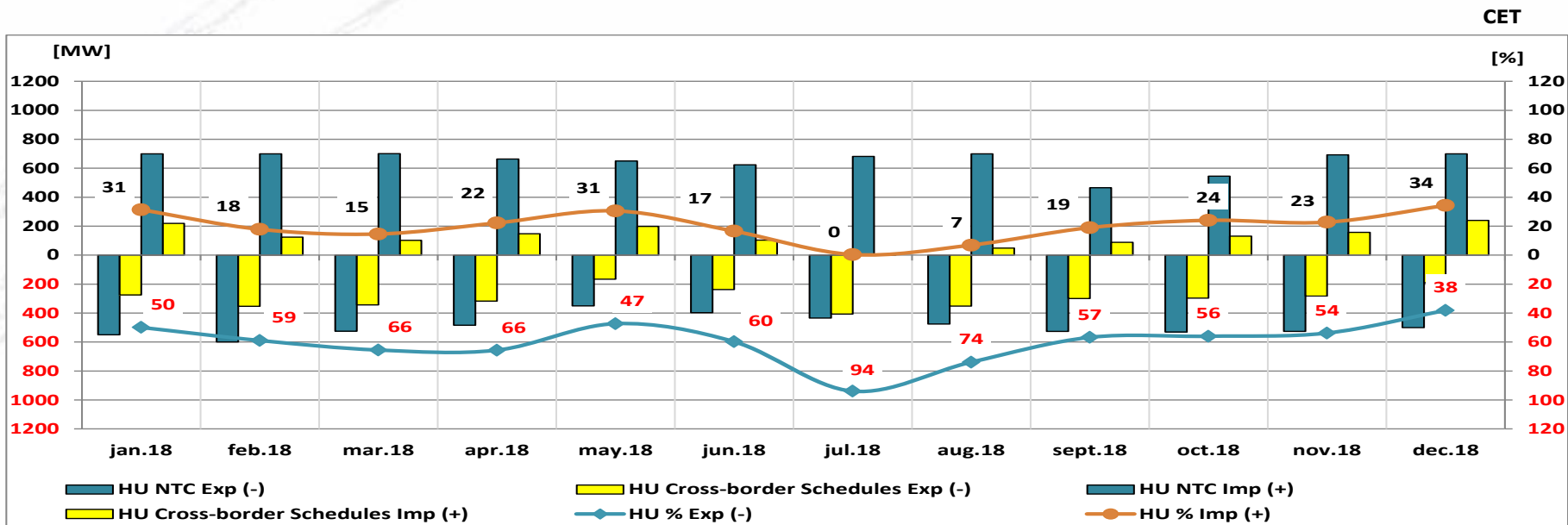
The allocated capacity level of usage on one border and direction represents the percentage ratio between the energy associated with the commercial transactions, nominated during a month, and the energy associated with the allocated capacity by the Romanian and by the neighbouring side, to all participants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

[%]	Hungary export	Hungary import	Bulgaria export	Bulgaria import	Serbia export	Serbia import	Ukraine export	Ukraine import	Moldavia export	Moldavia import
jan	42.85	25.06	52.91	8.06	66.82	10.22	6.65	11.73	-	-
feb	43.95	15.88	38.61	10.71	60.33	4.39	11.22	2.13	-	-
mar	47.22	13.18	32.02	23.10	63.24	6.71	32.07	2.73	-	-
apr	51.30	19.24	55.18	7.41	64.04	6.21	12.28	0.86	-	-
may	37.90	27.21	27.62	17.97	37.67	16.53	-	9.78	-	-
jun	46.67	15.04	6.04	72.46	71.06	3.85	0.00	8.75	-	-
jul	59.56	0.46	19.31	39.85	97.77	0.29	59.31	2.41	-	-
aug	53.33	7.04	9.10	58.17	95.87	0.63	21.92	0.45	-	-
sep	47.46	16.26	6.50	61.84	54.66	5.52	27.87	0.85	-	-
oct	50.71	21.55	7.06	63.91	67.02	4.18	9.14	0.00	-	-
nov	43.48	22.12	3.97	68.31	45.63	4.95	9.08	12.05	-	-
dec	34.37	27.55	5.01	63.80	46.57	7.82	4.17	16.57	-	-
average	46.57	17.55	21.94	41.30	64.22	5.94	17.61	5.69	-	-

Type B

In December and for the year 2018, the highest levels of usage on export direction were obtained on Serbian border and the highest level of usage on import direction was obtained on Bulgarian border.

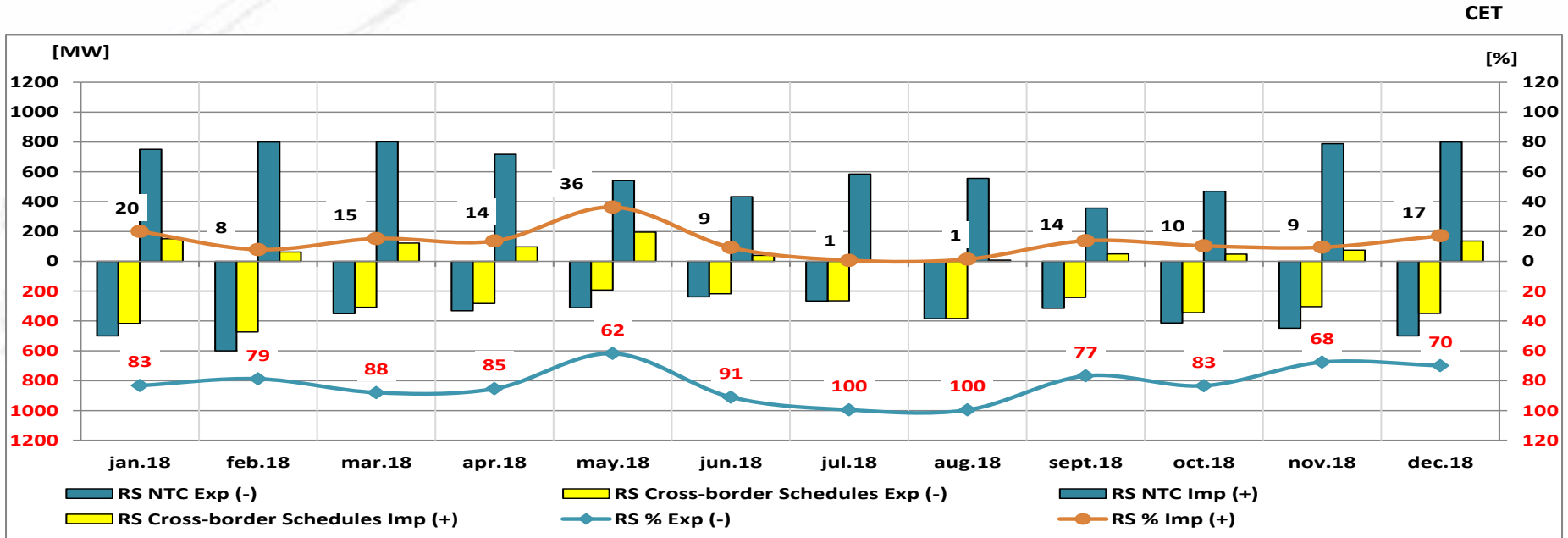
Usage Level of NTC on Romanian – Hungarian border



Hungary (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
HU NTC Exp (-)	-550	-600	-525	-483	-350	-397	-434	-476	-527	-531	-527	-500
HU Cross-border Schedules Exp (-)	-274	-354	-344	-317	-166	-237	-408	-351	-299	-297	-283	-191
HU NTC Imp (+)	700	700	701	663	650	623	682	700	465	545	693	700
HU Cross-border Schedules Imp (+)	219	125	102	148	199	103	3	48	88	131	158	240

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: 59.96 % on export direction and 20.06 % on import direction.

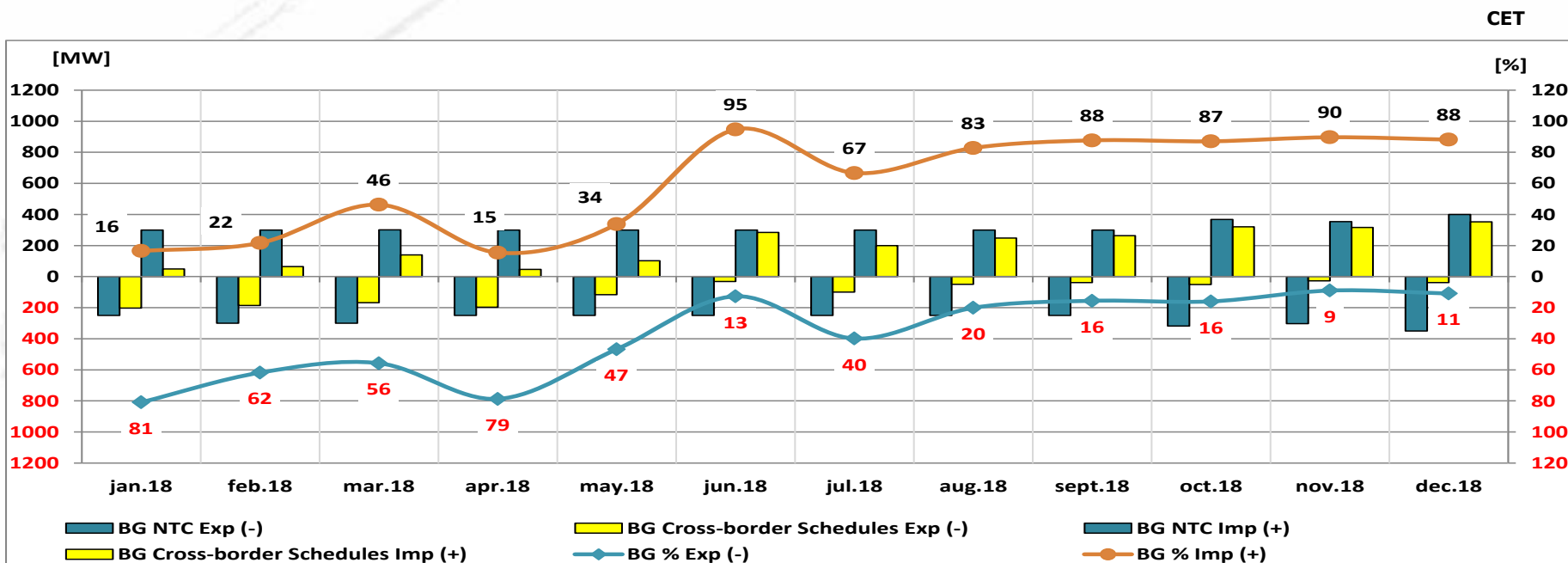
Usage Level of NTC on Romanian – Serbian border



Serbia (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
RS NTC Exp (-)	-500	-600	-350	-332	-311	-238	-266	-384	-315	-413	-448	-500
RS Cross-border Schedules Exp (-)	-416	-473	-308	-283	-192	-217	-265	-382	-242	-345	-303	-349
RS NTC Imp (+)	750	800	801	717	540	433	585	556	357	470	788	800
RS Cross-border Schedules Imp (+)	151	63	122	97	196	40	4	8	49	49	74	137

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: 82.1 % on export direction and 12.91 % on import direction.

Usage Level of NTC on Romanian – Bulgarian border

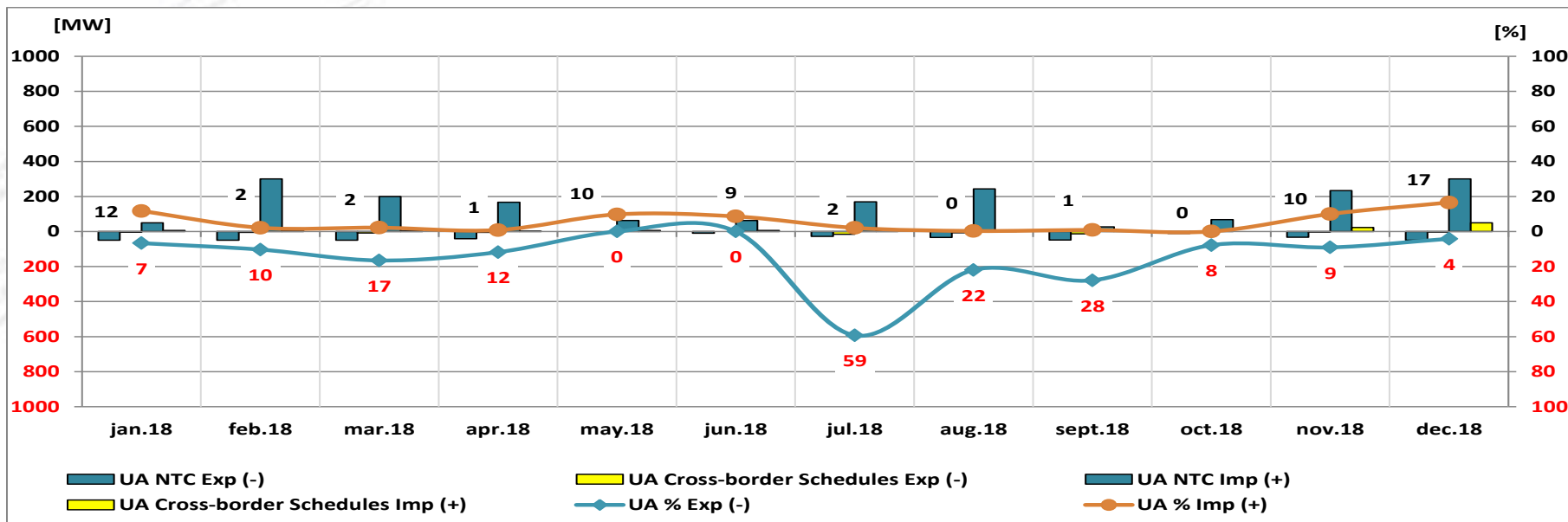


Bulgaria (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
BG NTC Exp (-)	-250	-300	-300	-250	-250	-250	-250	-250	-250	-318	-303	-350
BG Cross-border Schedules Exp (-)	-202	-185	-167	-197	-117	-32	-100	-50	-39	-51	-27	-38
BG NTC Imp (+)	300	300	300	300	300	300	300	300	300	368	353	400
BG Cross-border Schedules Imp (+)	49	65	139	46	101	284	200	248	263	320	317	353

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: 37.33 % on export direction and 60.88 % on import direction.

Usage Level of NTC on Romanian – Ukrainian border

CET



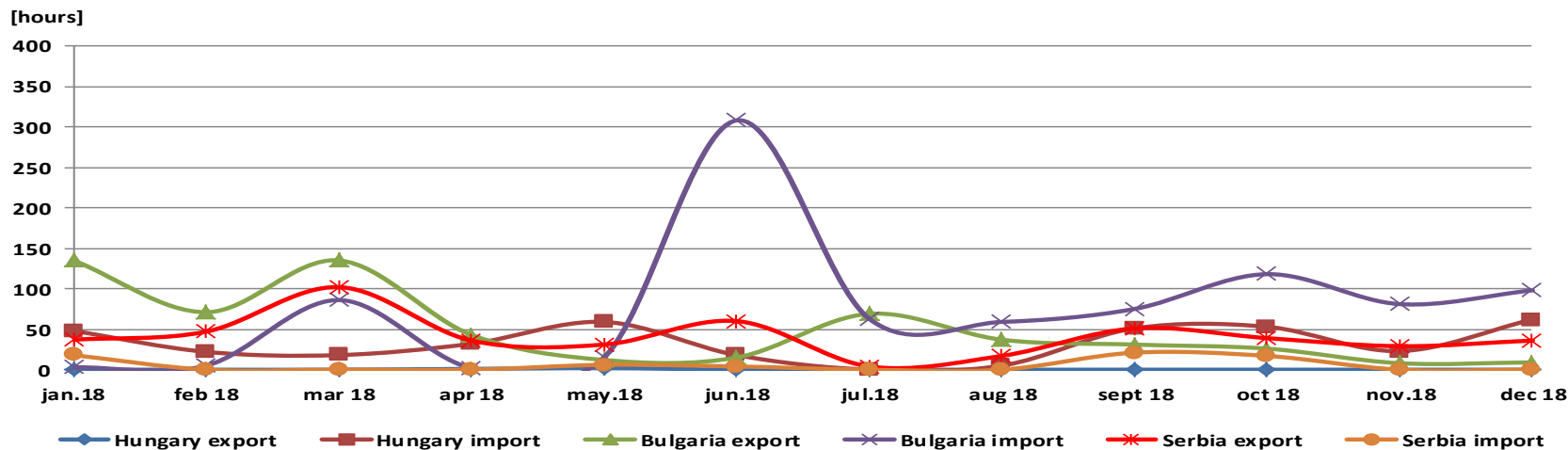
Ukraine (monthly averages values, MW)	jan.18	feb.18	mar.18	apr.18	may.18	jun.18	jul.18	aug.18	sept.18	oct.18	nov.18	dec.18
UA NTC Exp (-)	-50	-50	-50	-42	0	-10	-27	-34	-48	-11	-33	-50
UA Cross-border Schedules Exp (-)	-3	-5	-8	-5	-	0	-16	-7	-13	-1	-3	-2
UA NTC Imp (+)	50	300	200	167	63	63	169	244	27	68	233	300
UA Cross-border Schedules Imp (+)	6	6	4	1	6	5	4	1	0	0	23	50

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: 15.95 % on export direction and 5.42 % on import direction.

Maximization of NTC Usage

CET

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



Number of hours	jan.18	feb 18	mar 18	apr 18	may.18	jun.18	jul.18	aug 18	sept 18	oct 18	nov.18	dec 18
Hungary export	0	0	0	1	2	0	0	0	0	0	0	0
Hungary import	48	22	18	32	59	18	0	5	51	53	23	62
Bulgaria export	135	71	135	43	12	15	69	37	31	26	8	9
Bulgaria import	3	5	86	2	15	308	63	59	75	118	81	98
Serbia export	37	47	102	36	31	60	4	17	51	39	29	36
Serbia import	18	0	0	0	6	4	0	0	21	17	0	0

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. In 2018, the most of such situations were registered on Bulgarian border.

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

December 2018

Border	Auction												Total		
	Yearly			Monthly			Daily			Intraday			C1 [%]	C3 [%]	HHI
	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI	C1 [%]	C3 [%]	HHI			
Hungary import	31.14	65.71	1919	18.21	53.93	1459	-	-	-	51.08	97.37	4165	21.41	52.12	1275
Hungary export	30.00	73.14	1983	34.45	73.95	2211	-	-	-	46.27	91.81	3262	22.16	60.20	1530
Bulgaria import	21.00	51.00	1332	20.42	48.75	1195	31.29	68.58	1909	-	-	-	21.63	51.36	1191
Bulgaria export	32.00	63.00	1834	29.50	57.00	1508	40.98	78.23	2473	-	-	-	30.59	68.67	1797
Serbia import	59.33	82.67	3881	38.92	62.00	2079	33.32	75.02	2186	64.53	100.00	5422	22.28	53.87	1329
Serbia export	36.50	76.00	2323	27.67	58.33	1558	40.73	78.55	2576	100.00	100.00	10000	25.44	55.68	1350
Ukraine import	-	-	-	40.00	85.00	2960	-	-	-	-	-	-	40.00	85.00	2960
Ukraine export	-	-	-	40.00	100.00	3400	-	-	-	-	-	-	40.00	100.00	3400
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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