



Two issues with trading at Estonian price area of Nord Pool Spot





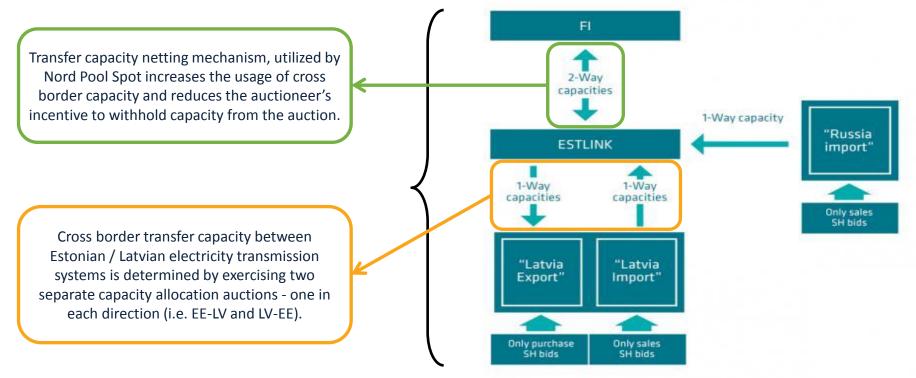
Agenda

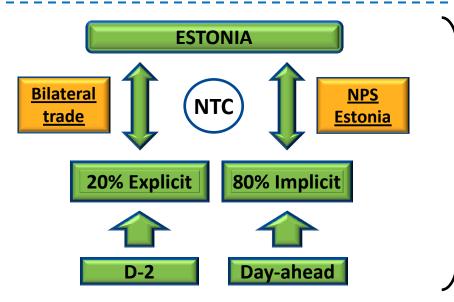
- 1. Capacity allocation and optimization problem between EE and LV
- 2. Demonstration of sub-optimal capacity allocation between EE and LV
- 3. Price transparency problem at Estonian price area of NPS
- 4. Demonstration of price transparency problem at Estonian price area of NPS
- 5. Possible suggestions for solving mentioned problems





1. Capacity allocation and optimization problem between EE and LV





The problem of scarce cross border capacity between Estonia and Latvia is aggravated by the fact that only 80% of net transfer capacity (NTC) is allocated for trades which participate at the Nord Pool Spot (NPS).

Other 20% of net transfer capacity (NTC) are reserved for bilateral trades. Since capacity on explicit auctions has to be bought not later than two days before actual transmission of electricity takes place, this system creates additional administrative challenges for traders.

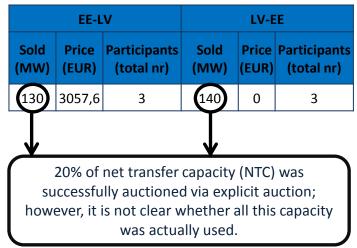
2. Results of EE-LV cross border capacity allocation on 29-06-2011

29-06-2011	Planned transfer capacities				Capacity used (planned commercial flows)	Physical flows	
	EE-LV		LV-EE		export (+), import (-) EE-LV	out of Estonia (+), into Estonia (-)	
Time	NTC	ATC	NTC	ATC	AAC	EE-LV	
00:00-01:00	650,0	418,4	700,0	700,0	231,6	288,3	
01:00-02:00	650,0	393,0	700,0	700,0	257,0	275,9	
02:00-03:00	650,0	383,4	700,0	700,0	266,6	275,5	
03:00-04:00	650,0	399,2	700,0	700,0	250,8	273,3	
04:00-05:00	650,0	420,8	700,0	700,0	229,2	248,1	
05:00-06:00	650,0	319,8	700,0	700,0	330,2	265,0	
06:00-07:00	650,0	61,2	700,0	700,0	588,8	324,8	
07:00-08:00	650,0	60,0	700,0	700,0	590,0	352,0	
08:00-09:00	650,0	51,7	700,0	700,0	598,3	393,1	
09:00-10:00	650,0	53,9	700,0	700,0	596,1	366,6	
10:00-11:00	650,0	54,5	700,0	700,0	595,5	375,8	
11:00-12:00	650,0	53,6	700,0	700,0	596,4	371,7	
12:00-13:00	650,0	52,1	700,0	700,0	597,9	383,0	
13:00-14:00	650,0	51,6	700,0	700,0	598,4	433,4	
14:00-15:00	650,0	11,9	700,0	700,0	638,1	423,2	
15:00-16:00	650,0	11,6	700,0	700,0	638,4	452,9	
16:00-17:00	650,0	9,4	700,0	700,0	640,6	520,6	
17:00-18:00	650,0	7,2	700,0	700,0	642,8	474,2	
18:00-19:00	650,0	5,4	700,0	700,0	644,6	414,9	
19:00-20:00	650,0	3,9	700,0	700,0	646,1	362,4	
20:00-21:00	650,0	12,8	700,0	700,0	637,2	372,8	
21:00-22:00	650,0	27,2	700,0	700,0	622,8	414,4	
22:00-23:00	650,0	81,3	700,0	700,0	568,7	399,1	
23:00-24:00	650,0	276,6	700,0	700,0	373,4	350,3	

Weekly explicit auction calendar

Year	Week	Date of auction	Offered capacity (MW)		
		auction	EE-LV	LV-EE	
2011	26	21.06.2011	130	140	

Weekly explicit auction results

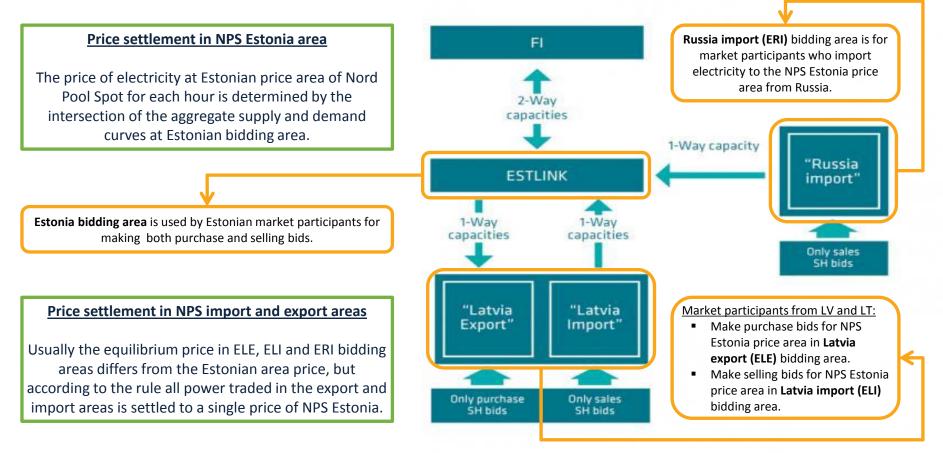


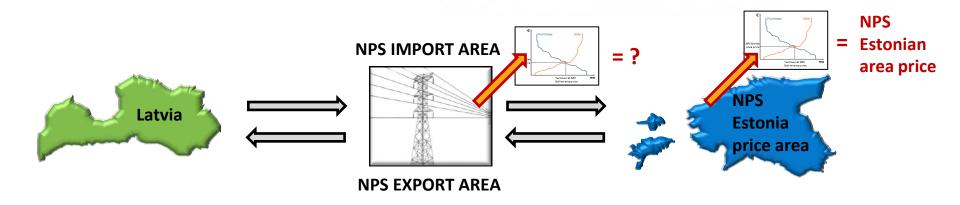
Usually only fraction of net transfer capacity (NTC) between EE and LV is available for traders who are willing to buy electricity at Estonian price area of NPS and import it to Latvia / Lithuania.

Since physical flows are always less than net transfer capacity (NTC), the capacity allocation is inefficient and should be optimized. Cross-border capacity could be utilized more effectively if:

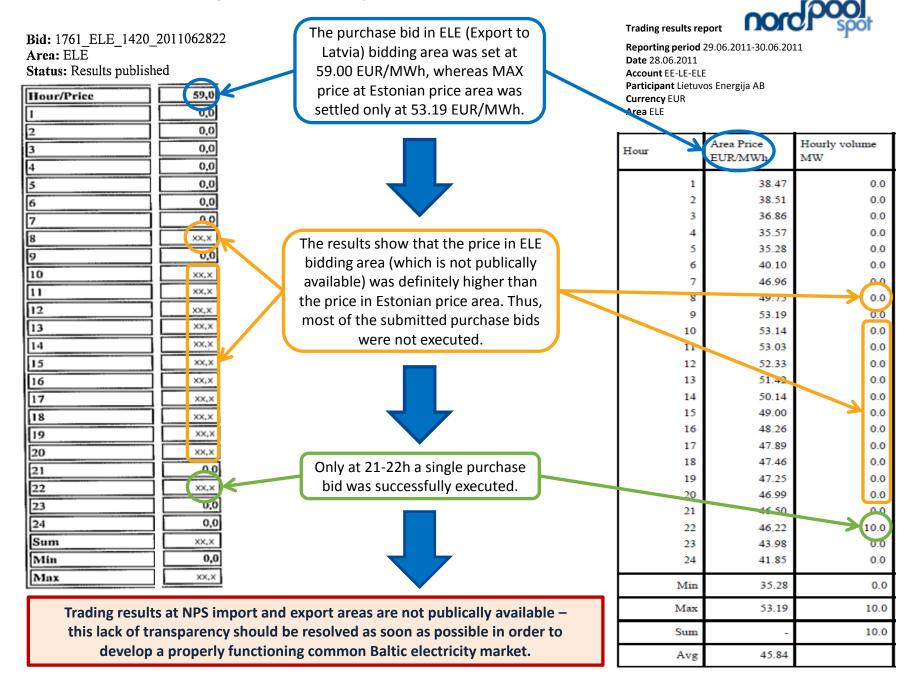
 Transfer capacities between EE and LV are netted.
All 100% of NTC is allocated via implicit auction.

3. Price transparency problem at Estonian price area of NPS



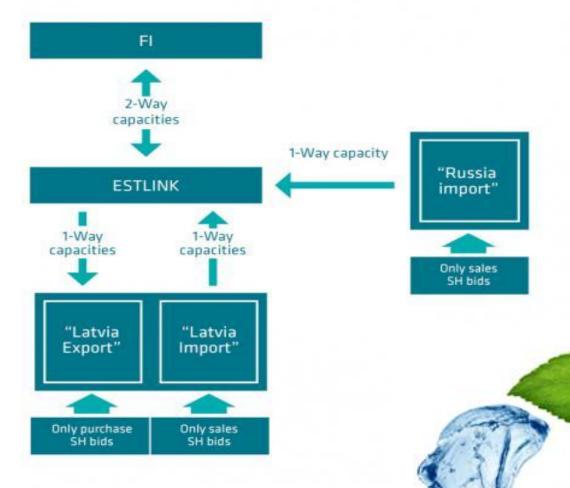


4. Results of trading at Estonian price area of NPS on 29-06-2011



5. Possible suggestions for solving mentioned problems

- a) The prices and amounts of trade in ELE (Export to Latvia), ELI (Import from Latvia) and ERI (Import from Russia) bidding areas could be made publically available.
- b) Cross border transfer capacities between Estonia and Latvia could be netted (i.e. 2-way capacities could be enabled).
- c) Explicit capacity auctioning could be renounced and all net transfer capacity (NTC) could be allocated via implicit auction.



Developing a common Baltic electricity market shall benefit both producers and consumers of all three Countries.