



Introducing Intraday Activities on the Bulgarian Electricity Market

“10th South East Europe Energy Dialogue”
International Conference,
Belgrade, June 13-14, 2017

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Main stages of development

- Bilateral contracts – 2006
- Balancing groups – 2012
- Balancing market – 2014
- Spot market – 2016
- Intraday market – 2017 (planned for October)

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Electricity market in 2016

Installed capacity (gross)

No	Producers	Installed, MWh	Available, MWh
1	Nuclear station	2 000	2 000
2	Lignite stations	4 199	4 089
3	Coal stations	708	569
4	Gas stations	799	549
5	Hydro generation	3 198	3 156
6	Wind farms	701	0
7	Photovoltaic	1 041	0
8	Biomass	64	64
	TOTAL	12 711	10 428



Electricity market in 2016

Demand, GWh (net)

No	Consumption covered	2015	2016	%
1	By Traders and Producers	13 248	15 657	39 -> 45 %
2	By End suppliers	15 574	14 489	46 -> 42 %
3	By Suppliers of last resort	598	376	2 -> 1 %
4	Network losses	3 818	3606	11 -> 10 %
5	Pumps	756	284	2 -> 0,8 %
	Total	33 994	34 412	

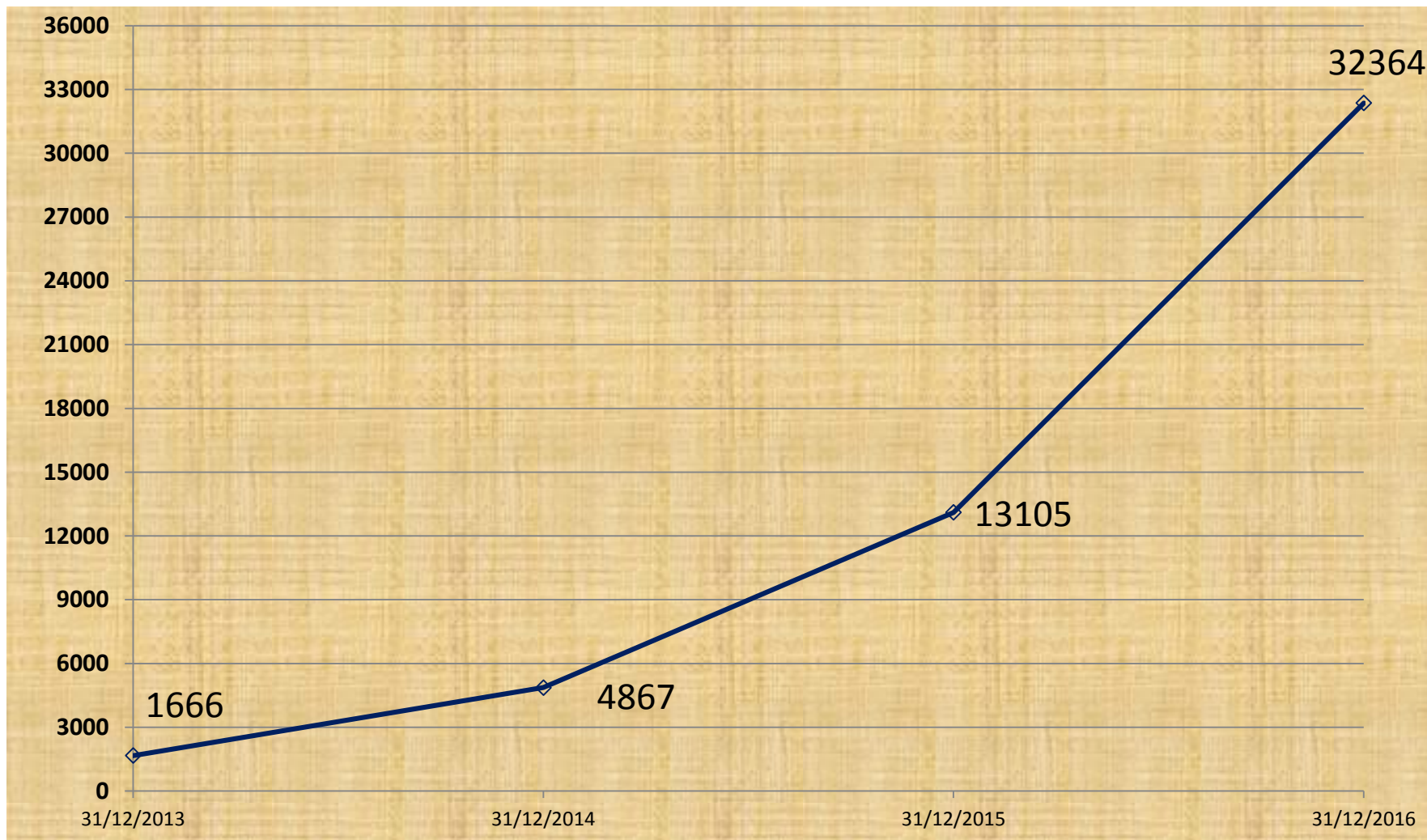


Market participants

	Producers	Consumers	Traders
2004	4	7	0
2005	6	14	2
2006	6	33	12
2007	7	62	24
2008	8	72	35
2009	8	79	47
2010	9	85	62
2011	7	74	45
2012	7	107	37
2013	8	1666	42
2014	10	4867	67
2015	11	13105	69
2016	31	32 364	95



Consumers on the free market



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Balancing market

Balancing groups (01.05.2017):

- 53 standard groups (51 active);
- 14 special groups (SLR, grids, End-suppliers);
- 13 combined groups (RES)

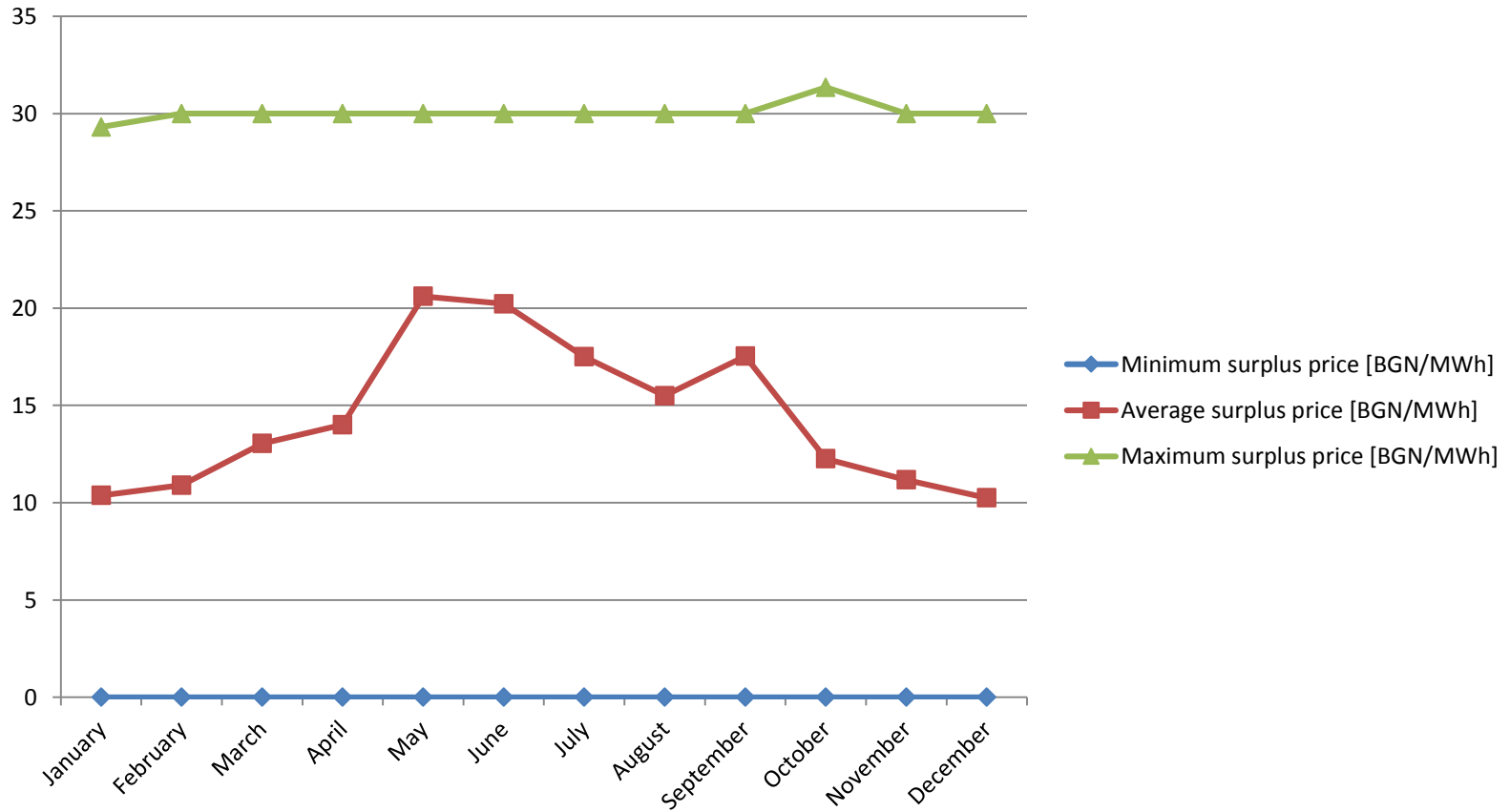
Balancing energy providers – 34

- Pumps and hydro-stations of NEK (state owned)
- Condensing units – 18
- Hydro cascades (private) – 2
- Combined heat and electricity producers – 10
- Consumers - 2



Balancing market

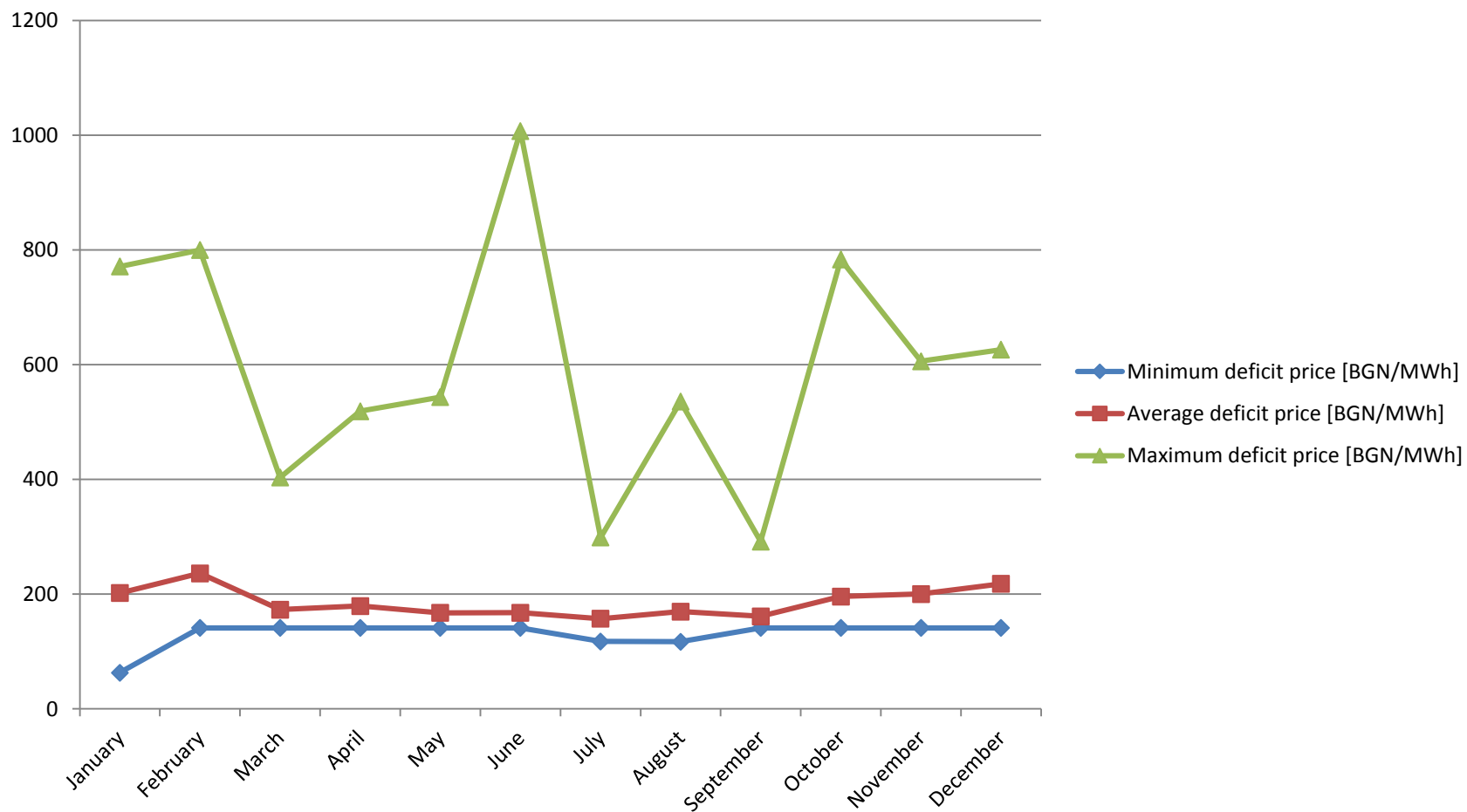
Monthly prices for balancing energy for 2016 - SURPLUS PRICES





Balancing market

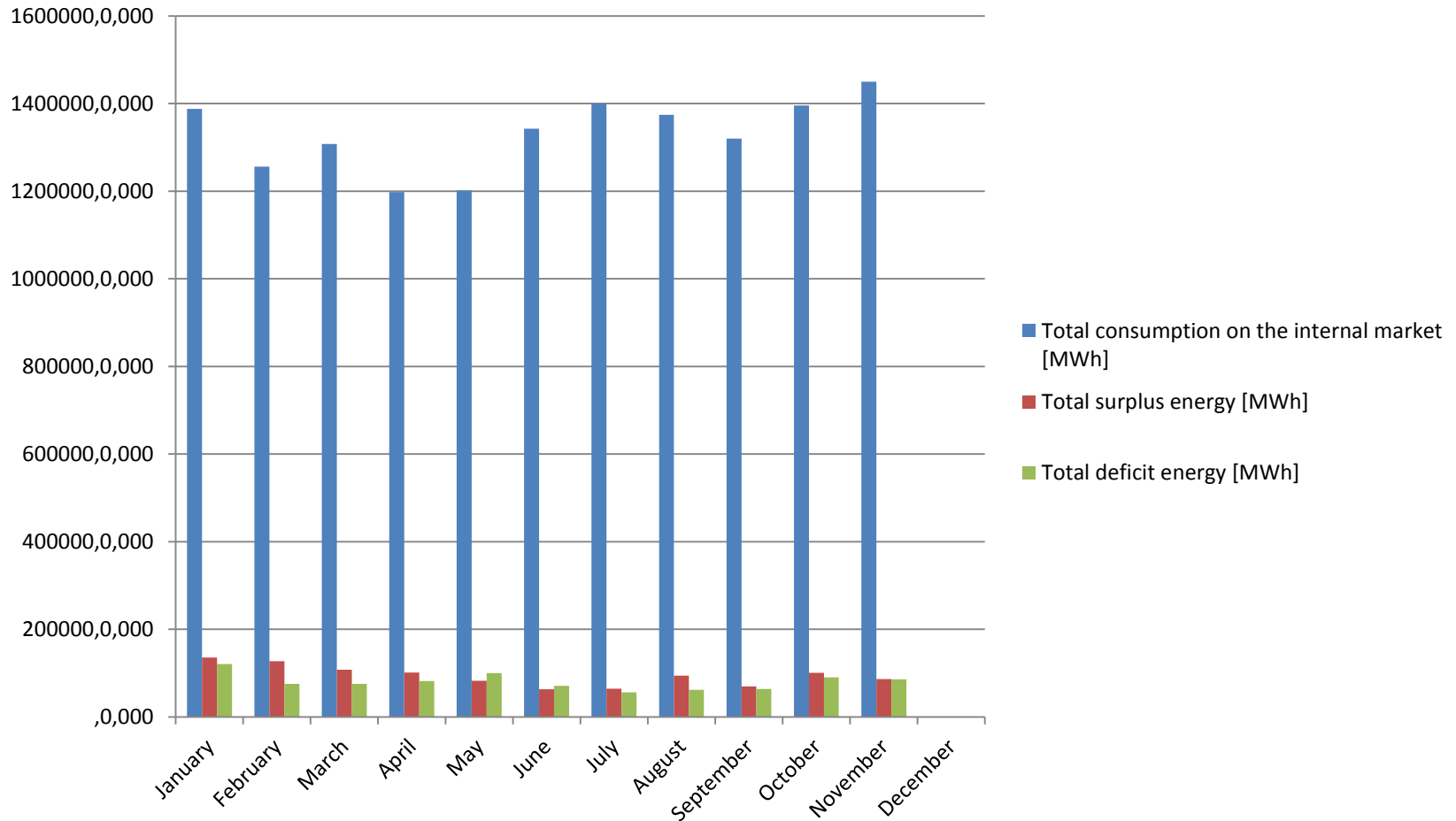
Monthly prices for balancing energy for 2016 - DEFICIT PRICES





Balancing market

Traded energy on the Balancing Market for 2016





Intraday market

Characteristics:

Intraday trading: Managed by IBEX

Participation: Voluntary

Interval: 60 minutes

Price step: 0.01 BGN/EUR

Minimum traded volume: 0.1 MWh

Block products: No

Clearing: IBEX

Closure: 60 min before delivery

Mistrade: YES

Intraday notifications (scheduling):

Managed by TSO (ESO EAD)

Scheduling: Obligatory

Interval: 6 hours – first 3 months, 60 minutes afterwards



Activities of ESO EAD

- Road map for Intraday market
- Introduction of a new “Market management system” with Intraday mechanism
- “Market rules” amendments
- New “Cross-border procedures”



Towards Common EU Electricity market

Next steps in Bulgarian electricity market development

1. Implementation of the „*Harmonized auction rules*“ (HAR) – 2017 г.
2. Day ahead and Intraday market integration – 2018+?
3. Cross border balancing market - ?

THANKS FOR THE ATTENTION

Eng. Nikolay Iliev
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