



Current situation and perspectives on the Bulgarian Electricity Market

“9th South East Europe Energy Dialogue”
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Thessaloniki, June 29-30, 2016

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Main stages of development

- Bilateral contracts – 2006
- Balancing groups – 2012
- Balancing market – 2014
- Spot market – 2016



Electricity market in 2015

Generation (gross)

No	Producers	Generation, GWh	%
1	Nuclear station	15 381	31 %
2	Lignite stations	21 438	44 %
3	Coal stations	1 269	2 %
4	Gas stations	1 823	4 %
5	Hydro generation	6 188	13 %
6	Wind farms	1 435	3 %
7	Photovoltaic	1 370	3 %
8	Biomass	193	<1 %
	TOTAL	49 097	



Electricity market in 2015

Demand (net)

No	Consumption covered	Consumption, GWh	%
1	By Traders and Producers	13 248	39 %
2	By End suppliers	15 574	46 %
3	By Suppliers of last resort	598	2 %
4	For Network losses	3 818	11 %
5	For Pumps	756	2 %
	Total	33 994	



Electricity market

Market participants

Total number of market participants - 13 105 (31.12.2015)

Including:

- 37 traders
- 156 consumers and producers in HV
- 12 912 in MV and LV





Balancing market

Structure

Balancing groups (01.04.2016):

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

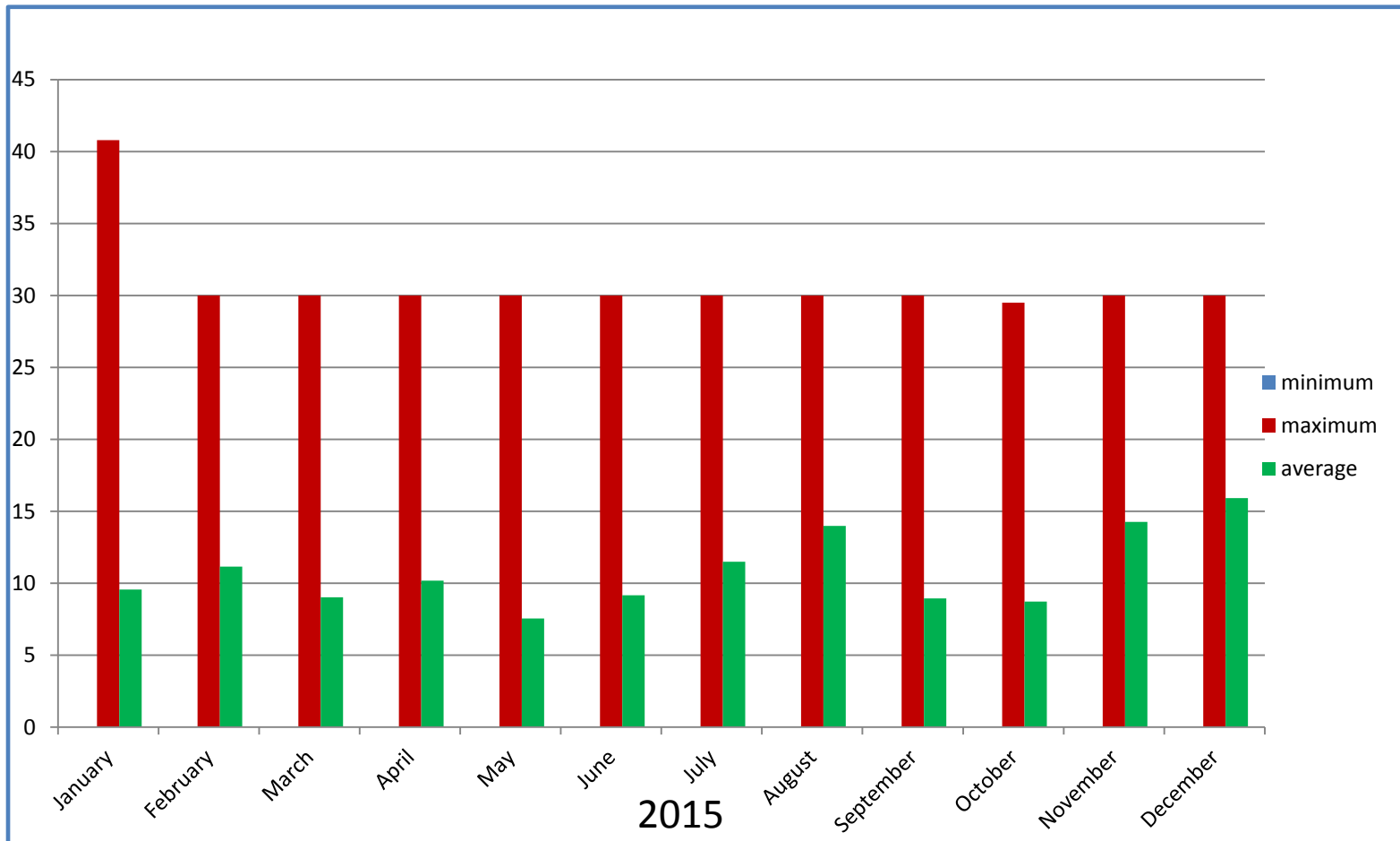
Balancing energy providers – 32

- Pumps and hydro-stations of NEK (state owned)
- Condensing units – 18
- Hydro cascades (private) – 2
- Combined heat and electricity producers – 9
- Consumers - 1



Balancing market

Spill prices, BGN/MW

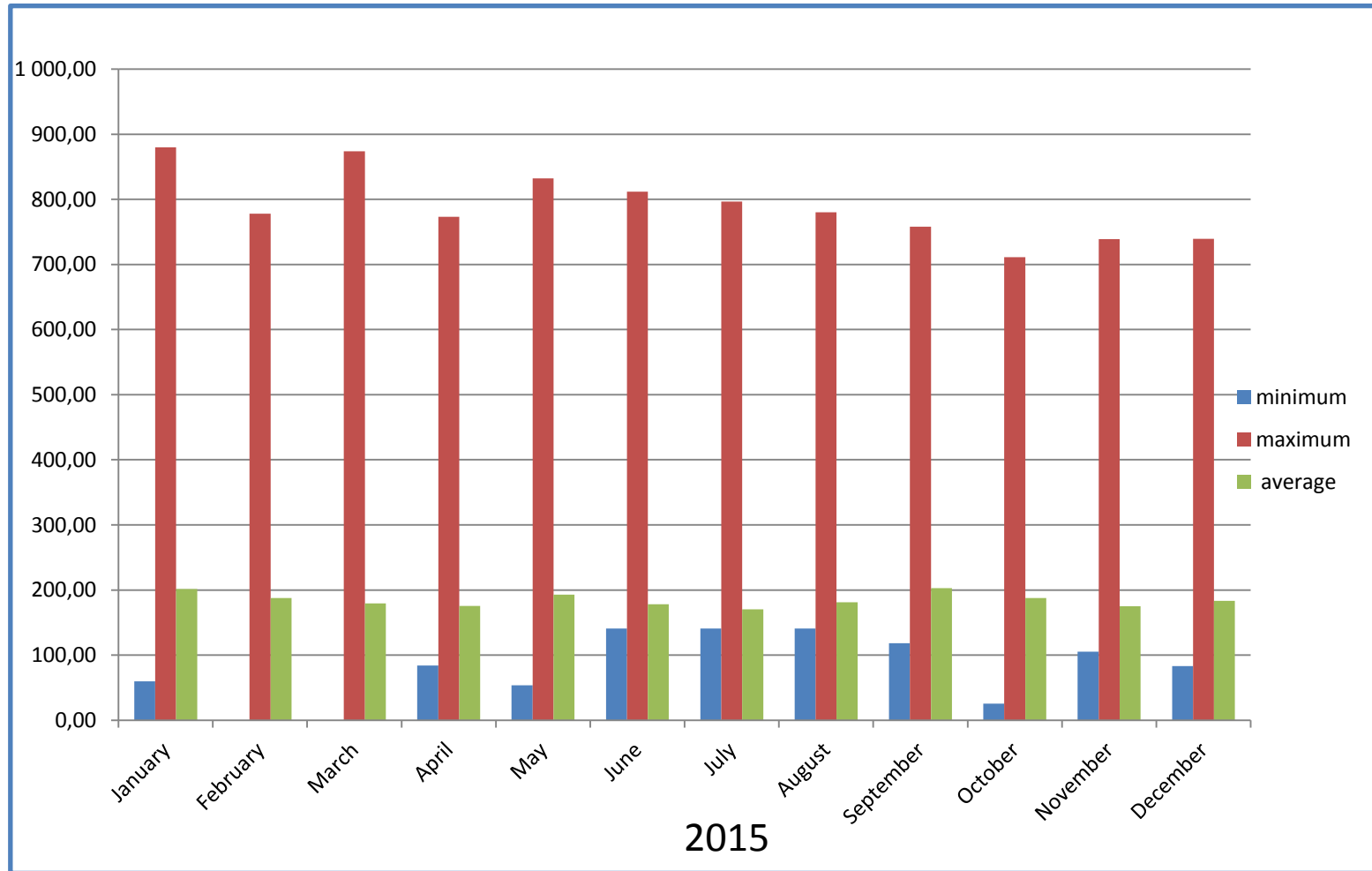


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Balancing market

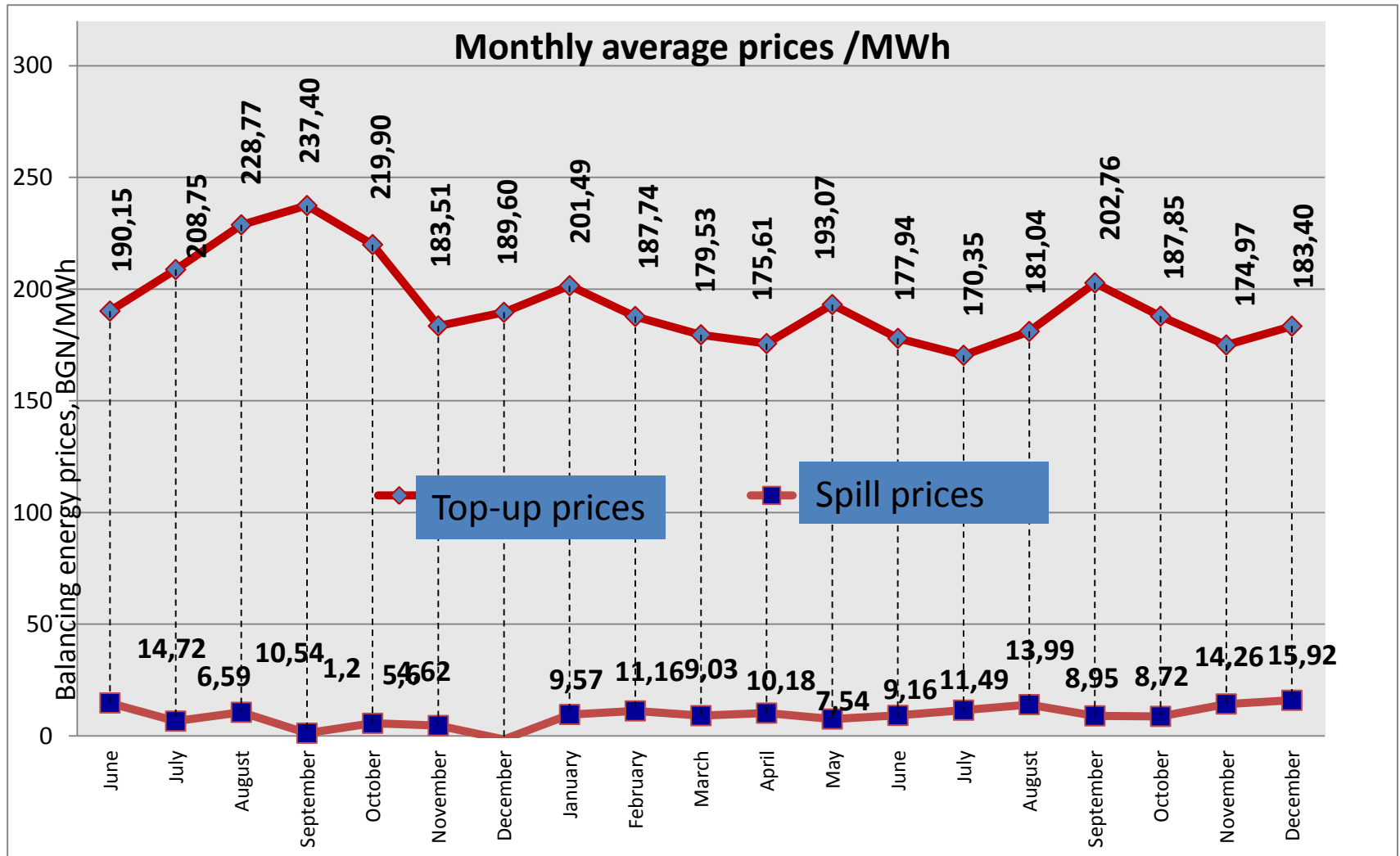
Top-up prices, BGN/MW



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Top-up and spill prices - June 2014 – Dec 2015



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Perspectives

Next Steps in Electricity market Development

- Introduction of standard load-shape profiles.
Consumers without hourly metering can switch their energy providers – April 2016 (introduced)
- Intraday Market in Bulgaria – 2017
- Spot Market Integration with Neighboring zones - 2017



Towards Common EU Electricity market

Three Network Codes define the development of the electricity market in Europe, according to the Third Liberalization Energy package:

1. **Capacity Allocation and Congestion Management Network Code** – CACM NC; necessary for the calculation and allocation of the capacity rights and integration of the forward and intraday markets.
2. **Forward Capacity Allocation NC**; for the calculation and allocation of the monthly and yearly capacity rights and harmonization of the auction rules.
3. **Balancing Network Code**

Next steps in Bulgarian electricity market development

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

THANKS FOR THE ATTENTION

Eng. Nikolay Iliev
ESO EAD, Sofia, Bulgaria
niliev@ndc.bg