

Nagy-Bege Zoltán
Vice-president

Romanian Energy
Regulatory Authority

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Development of Renewable Energies in Romania and the Transposition of the Clean Energy Package

ROMANIA - electricity import/export

TWh	2015	2016	2017	2018	2019
Import	3,78	3,57	3,65	2,93	5,05
Export	10,5	8,59	6,55	5,48	3,54
	-6,72	-5,02	-2,90	-2,55	+1,51

Romania: Production Capacities

Power plant types	Capacity (MW)	Capacity 2019 (%)	Production 2019 (%)
Hydro	6.702,15	32,39%	21,86%
Coal	4.787,20	23,13%	21,00%
Natural Gas	3.240,10	15,66%	20,50%
Wind	3.023,52	14,61%	15,44%
Nuclear	1.413,00	6,83%	20,24%
Photovoltaic	1.391,68	6,72%	0,64%
Biomass	112,30	0,54%	
Biogas	20,45	0,10%	
Residual Heat	4,10	0,02%	0,32%
Waste	0,63	0,00%	
Geothermal	0,05	0,00%	
TOTAL	20.695,18	100,00%	100,00%

What is the problem?

- ▶ Accordind to the Electricity and Natural Gas Act, Law no. 123/2012, the electricity wholesale market transactions are:
 - ▶ **Public**
 - ▶ **Non-discriminative**
 - ▶ **Transparent**
 - ▶ **Centralized**
- ▶ PPA or any bilaterally negotiated wholesale contracts are forbidden

What we have done already?

- ▶ Regulation (EU) 2019/943 of the European Parliament and of the Council on the internal market for electricity - **long-term electricity supply contracts shall be negotiable over the counter**
- ▶ ANRE order **no. 236/2019** transposes the provisions of Regulation 943 referring to long term wholesale contracts
 - ▶ Long term contracts are permitted on non-regulated markets
 - ▶ Price formation based only on demand and supply
 - ▶ Acces of consumers to the electricity markets (including balancing market)
 - ▶ Aggregation (consumption, production)

What to expect?

- ▶ **New balancing rules** to be approved by ANRE (aggregation, single price, 15 min. settlement period, voluntary market, DSR)
- ▶ Definition of **long-term contracts**
- ▶ **PPA trading** platform for OPCOM
- ▶ Allowing **flexible** bilateral contracts on OPCOM (quantities and prices)

- ▶ New market and tariff rules for storage???

Q & A

Thank you for
your attention!