



**9TH TURKEY
ENERGY
SUMMIT**

**17TH E^{ERRA} ENERGY
INVESTMENT & REGULATION
CONFERENCE**

9-10 October 2018/ANTALYA, TURKEY



a s s o c i a t i o n

NP MARKET COUNCIL

The Role of Association «NP Market Council» in Support of New Technology Development in Russian Wholesale Energy Market

Oleg Barkin

Association «NP Market Council», Russia

The Russian Wholesale Electricity Market (1)

240 TW

TW are total installed generating capacity

1000

TWh per year are sold in the Wholesale Market

300

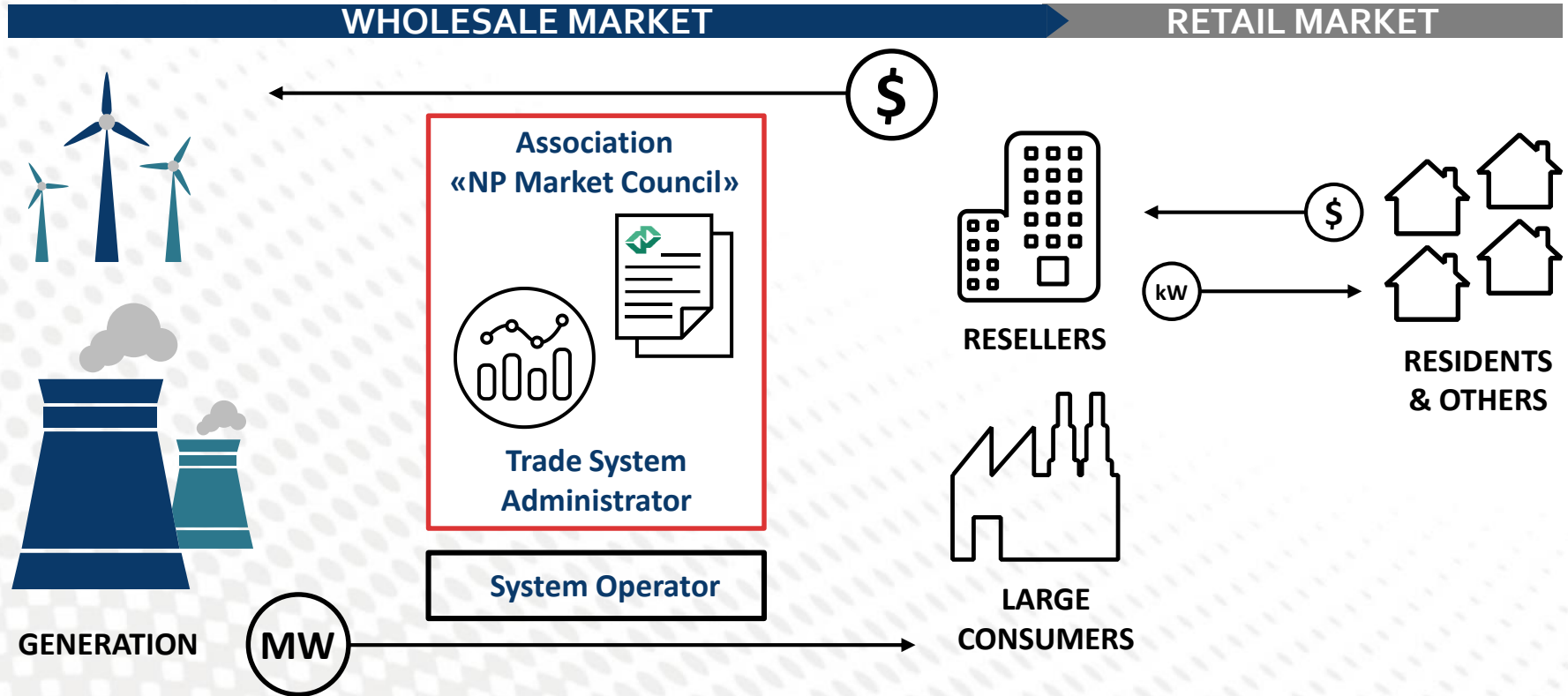
Members of the Market & Association
«NP Market Council»

25

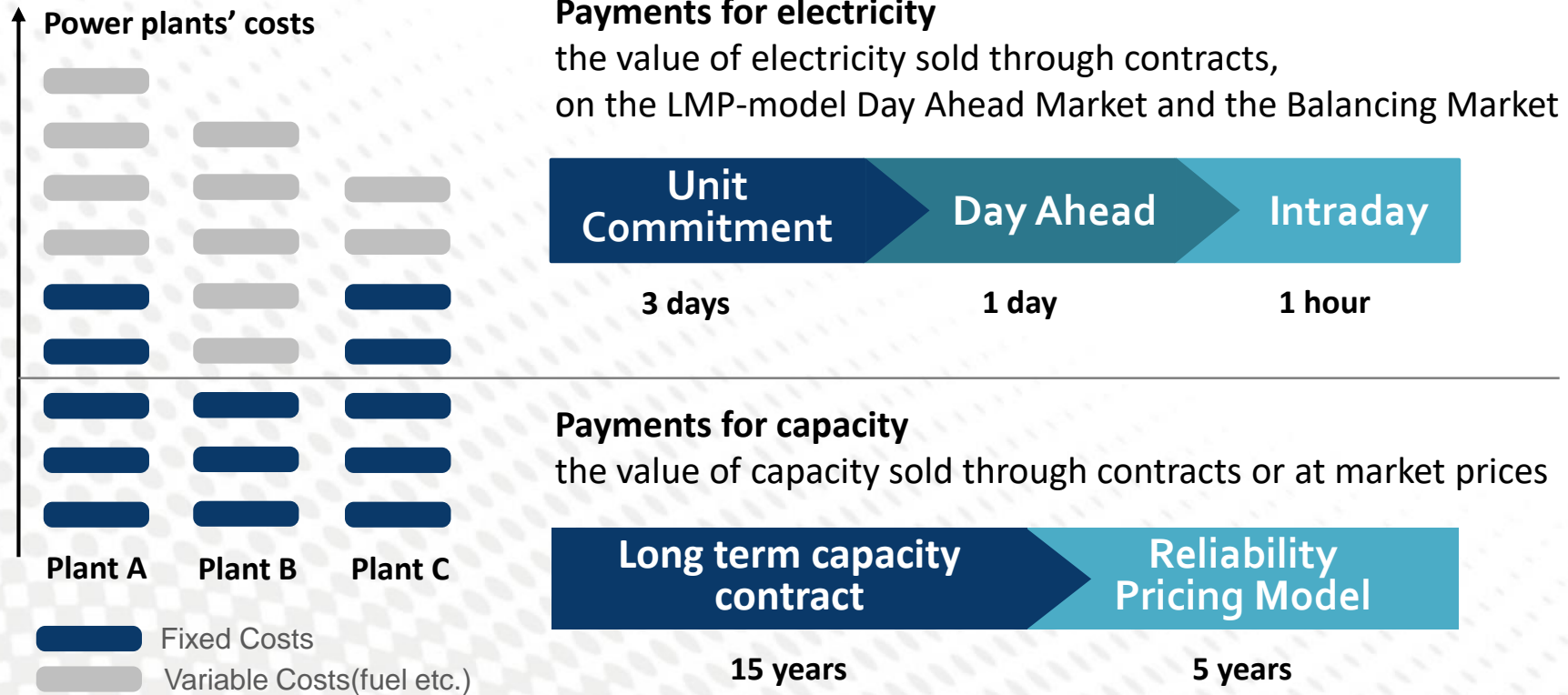
Billion U.S. dollars are the wholesale market capacity



The Russian Wholesale Electricity Market (2)



The Russian Wholesale Electricity Market (3)



Association «NP Market Council»

- ✓ Unites participants of the wholesale market
- ✓ Arranges the commercial activities of the wholesale market
(The Association owns the Trade System Administrator & the Financial Settlement Center)
- ✓ Develops market rules
- ✓ Takes part in the regulation of the power industry
- ✓ The Supervisory Board consists of government, generators, resellers and consumers representatives

CIGRE's Study Committee C5

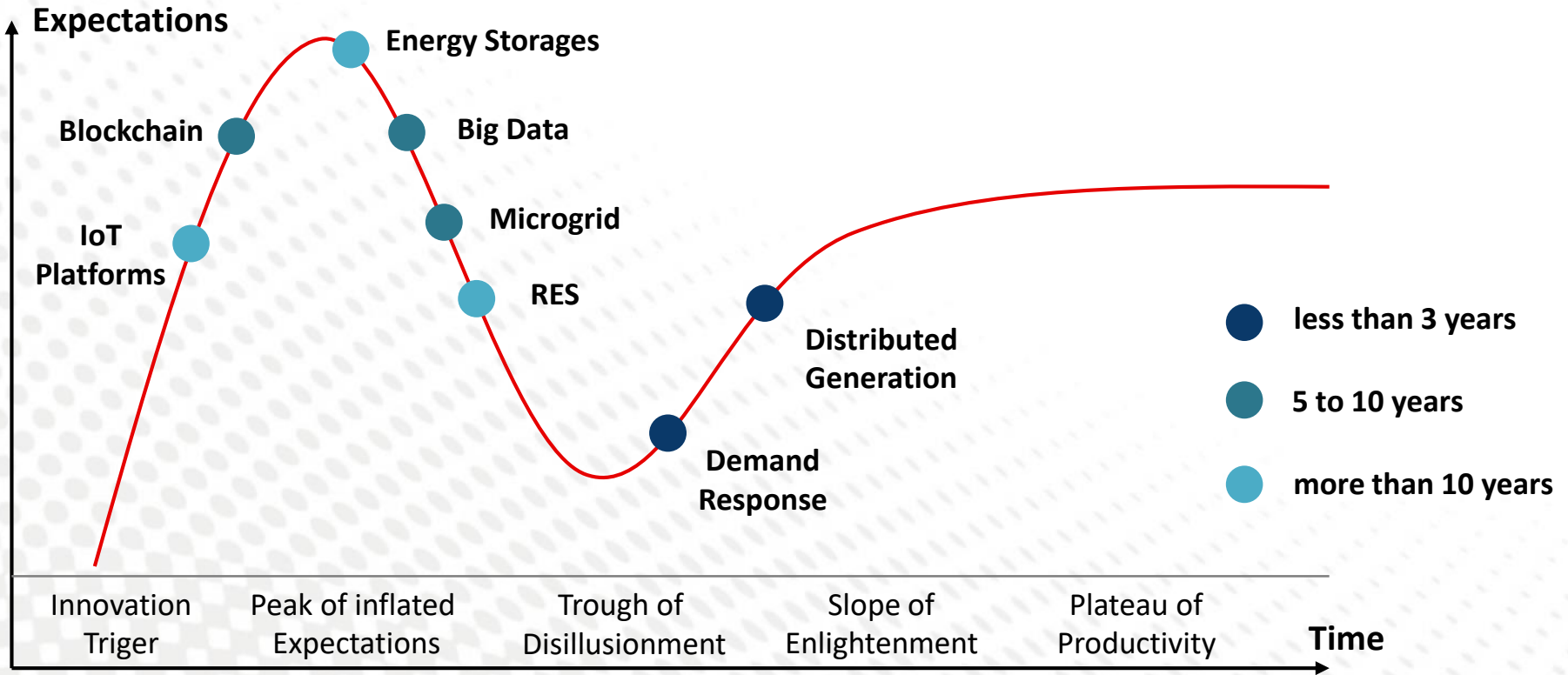
Current areas of interest are:

- ✓ Market Structures and Products (Market design; Physical/Financial markets and interaction; isolated and interconnected systems)
- ✓ Market Approaches and Tools (Demand/Price forecasting; Financial risk management; Demand Management and active customer integration)
- ✓ Regulations (Regulatory objectives; Regulatory approaches; Transmission pricing; Ancillary Service pricing; Reliability and Economics)

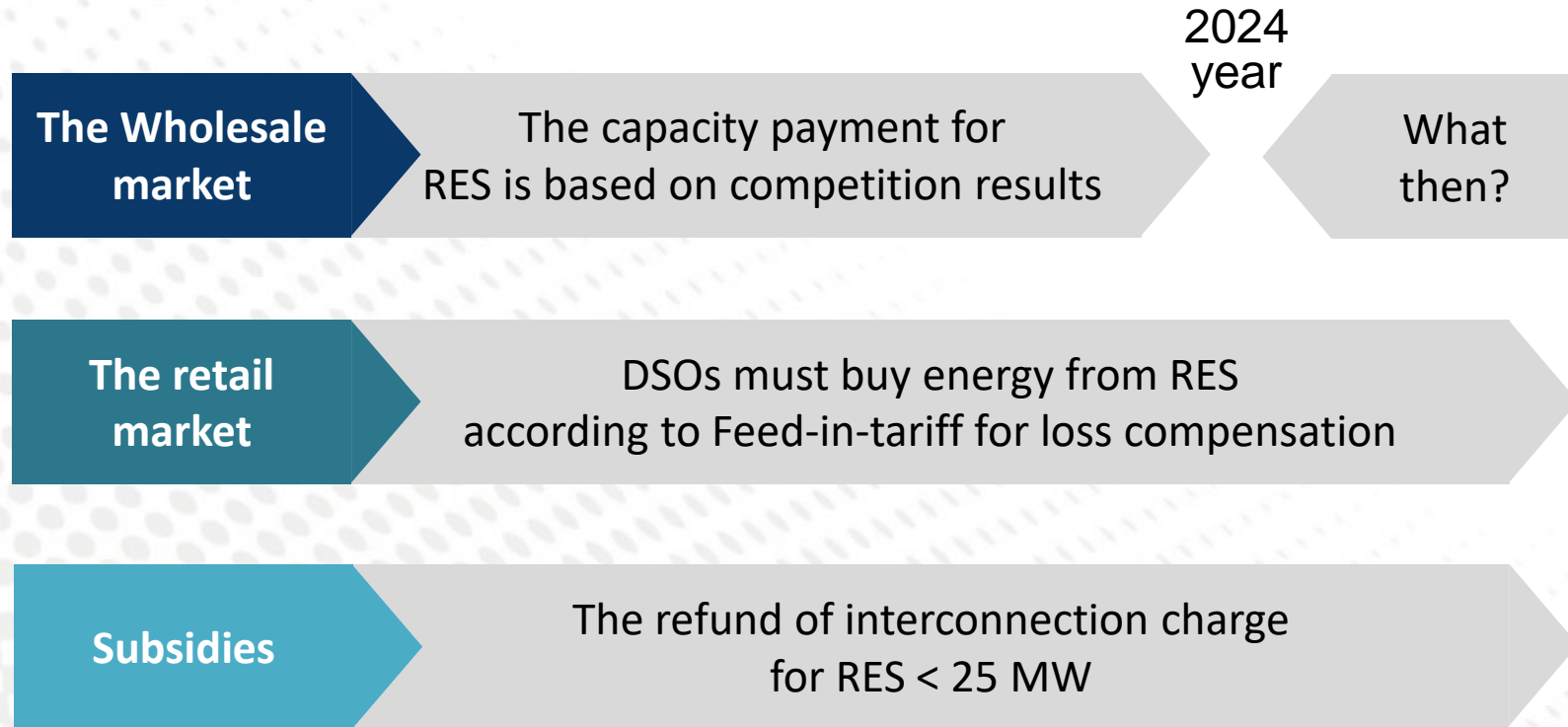
Russian national committee working groups:

- ✓ Opportunities of distributed generation participation in energy markets
- ✓ Modern methods of analysis and forecasting in the wholesale electricity market

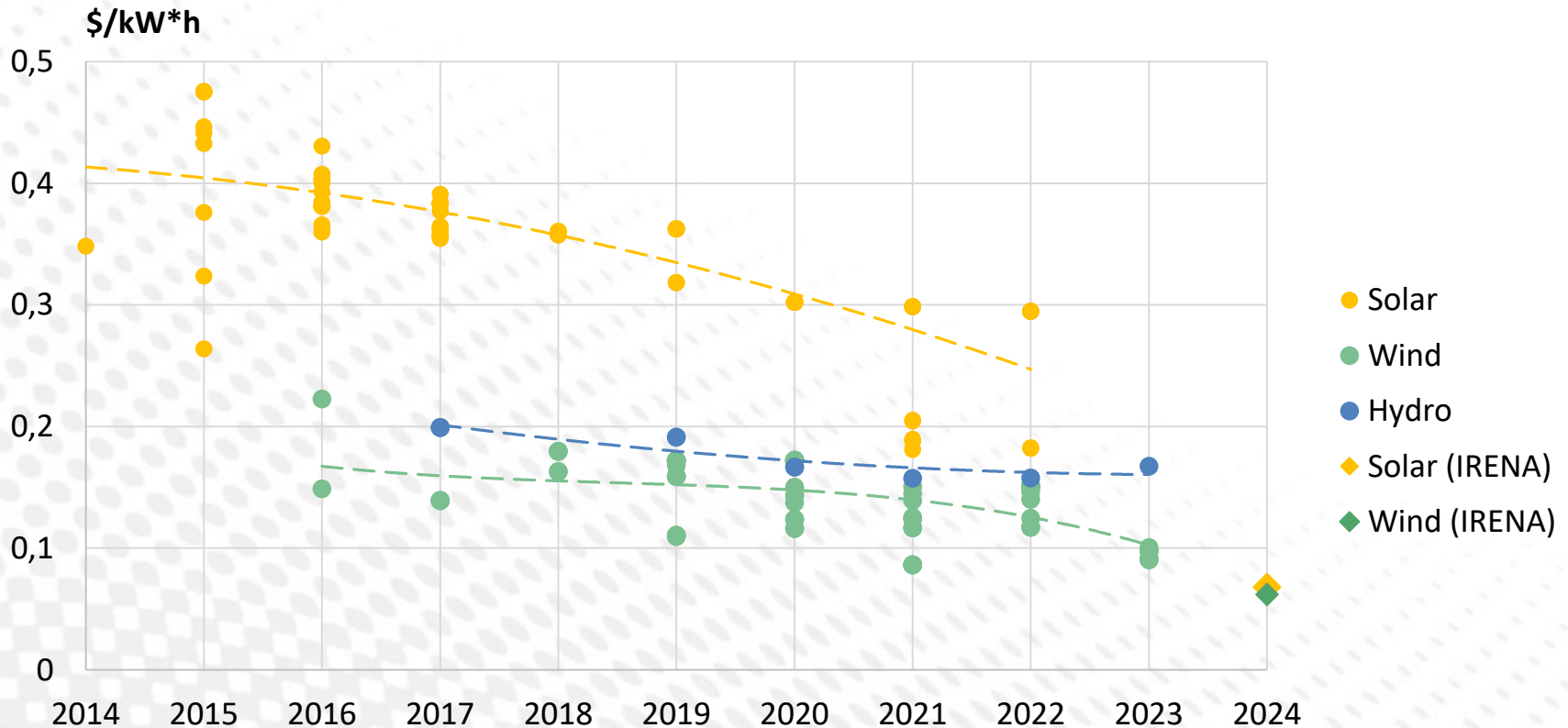
Power industry 4.0



Actual Support of Renewable energy



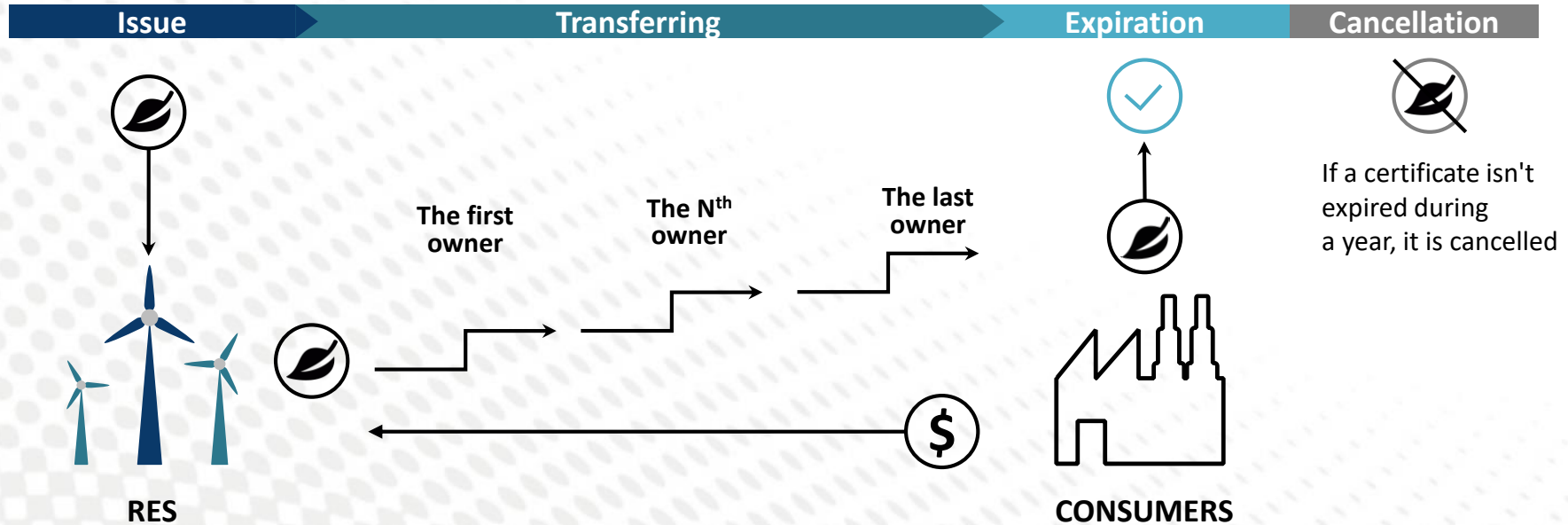
LCOI of renewable energy sources



Green Certificates

Association
«NP Market Council»

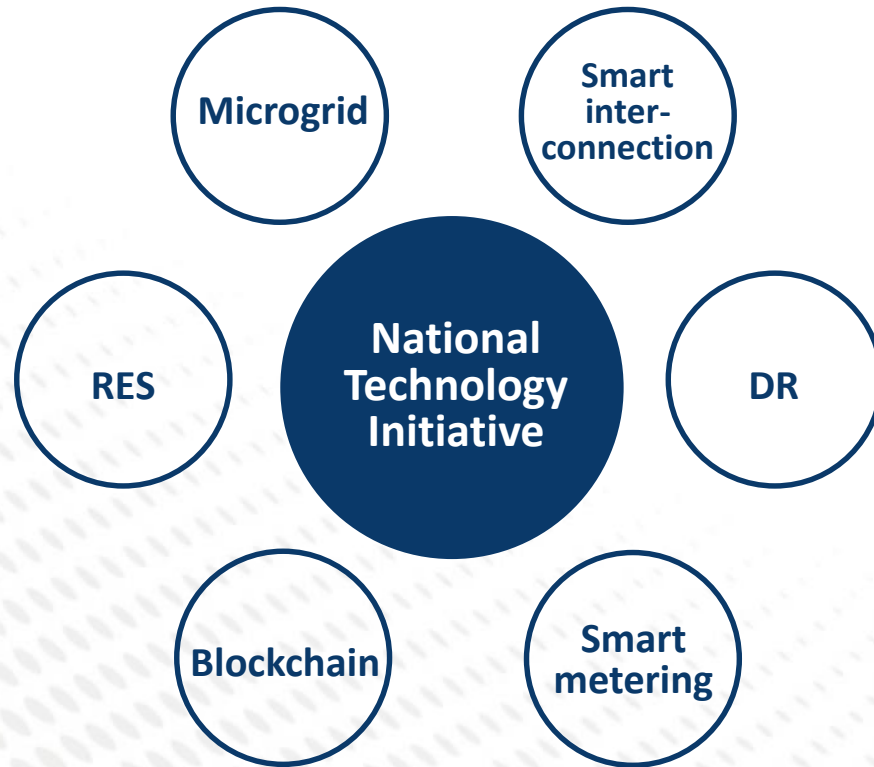
Association
«NP Market Council»



New Technologies

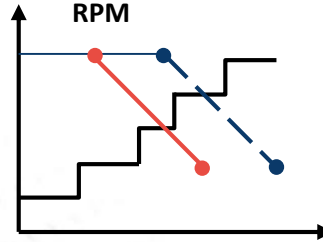
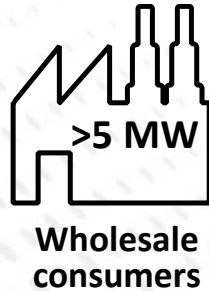
The role of a regulator:

- ✓ Developing of standards
- ✓ Expert assessment of legislation changes
- ✓ Cancellation of new cross subsidization values



Demand Response

The actual tool



Prices Decline
Spot Market
5,4 %
RPM
\$10,3 per MW

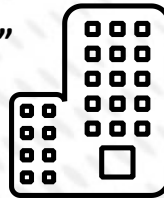
The future
improvement
after 2018

The new tool

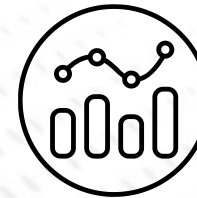


Retail consumers

"Negawatts"



Aggregators



A pilot program
2018-2020

Promotion after
2020

THANK YOU FOR YOUR ATTENTION!



a s s o c i a t i o n

NP MARKET COUNCIL

Oleg Barkin



E-mail: ogb@np-sr.ru



Web: www.en.np-sr.ru