

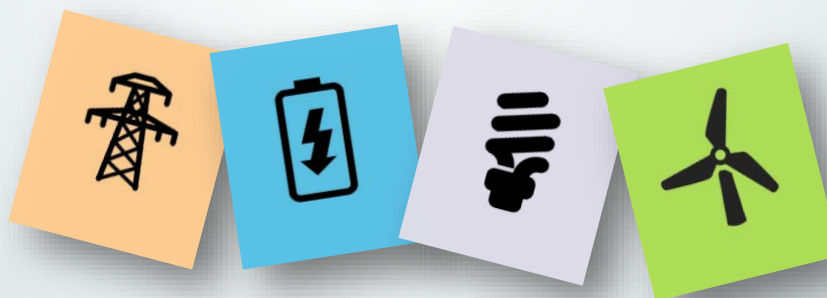


Ministerul Economiei  
și Infrastructurii  
al Republicii Moldova



**XXI<sup>st</sup> ENERGY EFFICIENCY COORDINATION GROUP MEETING**

# **DEVELOPMENT OF THE III<sup>RD</sup> NATIONAL ENERGY EFFICIENCY ACTION PLAN**



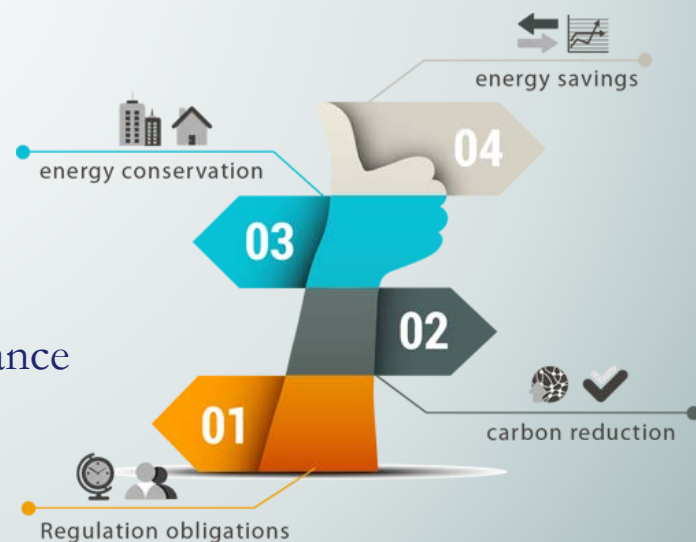
**Denis TUMURUC**

Deputy Head of Energy Policies Department  
Ministry of Economy and Infrastructure

# LAW ON ENERGY EFFICIENCY

## MAIN PROVISIONS AND HIGHLIGHT OF KEY ELEMENTS

- I. **Capacity building** of the public authority responsible for implementing of EE & RES policy
- II. The **exemplary role of the buildings** owned by public bodies
- III. Compulsory **energy audit for large enterprises**
- IV. **Obligation scheme in field of energy efficiency**
- V. Capacity building of the **local energy managers**
- VI. Strengthening the local **energy services market**
- VII. Energy efficiency in **public procurements**
- VIII. **Public awareness** on the energy efficiency importance



# ENERGY EFFICIENCY LAW

## STATE OF PLAY REGARDING EE LAW IMPLEMENTATION

- Regulation on the **organization and operation of the authority** responsible for the implementation of policies in the area of energy efficiency
- Regulation on the provision of **energy services**
- National **Action Plan** in the field of energy efficiency 2019-2021
- Program on implementing the requirement regarding the **renovation of buildings of central public administration authorities**
- Program on implementation of **obligations scheme** in the field of energy efficiency
- Methodology for the determination of **contributions** to be paid by the **obligated parties**
- Regulation on energy auditors and **energy audits**
- Regulation on conducting the **energy audits by large enterprises**
- Long term sectorial **strategy** for the renovation of the national real estate fund

Approved

Approved

Public consultations

Public consultations

Public consultations

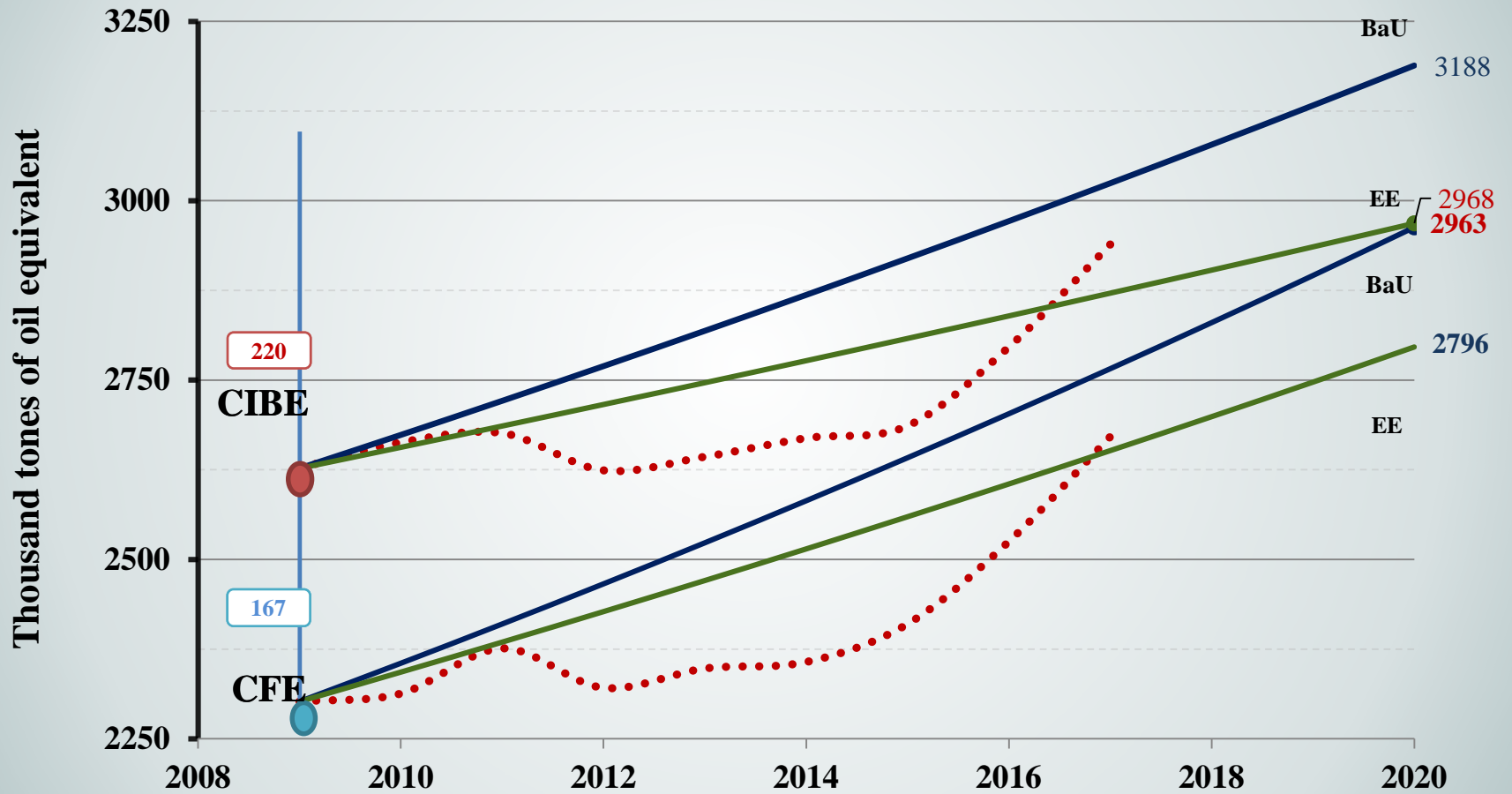
Public consultations

Public consultations

Public consultations

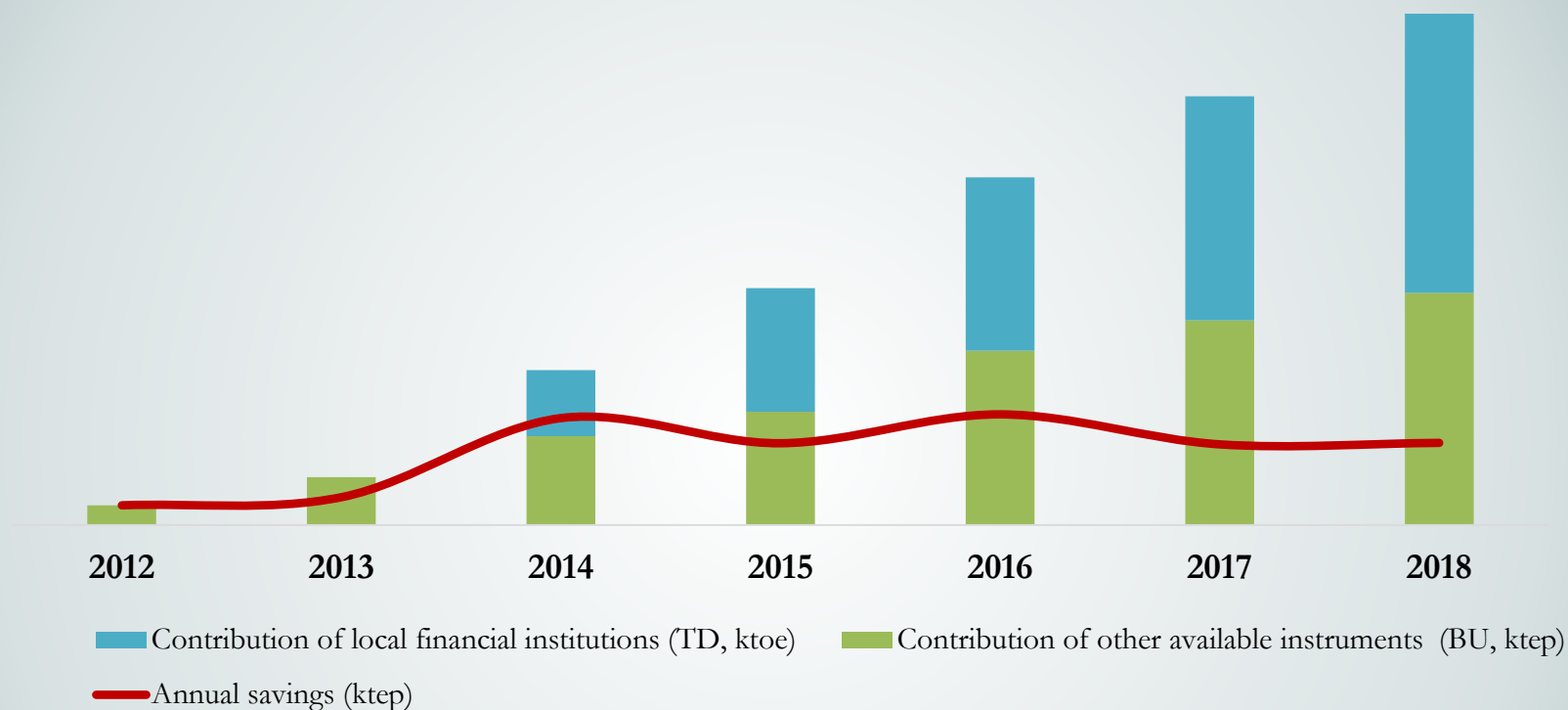
Elaboration

# NATIONAL ENERGY EFFICIENCY TARGETS SET FOR 2020 HORIZON ACCORDING TO NEEAP AND EE LAW



# NATIONAL ENERGY EFFICIENCY TARGETS(2)

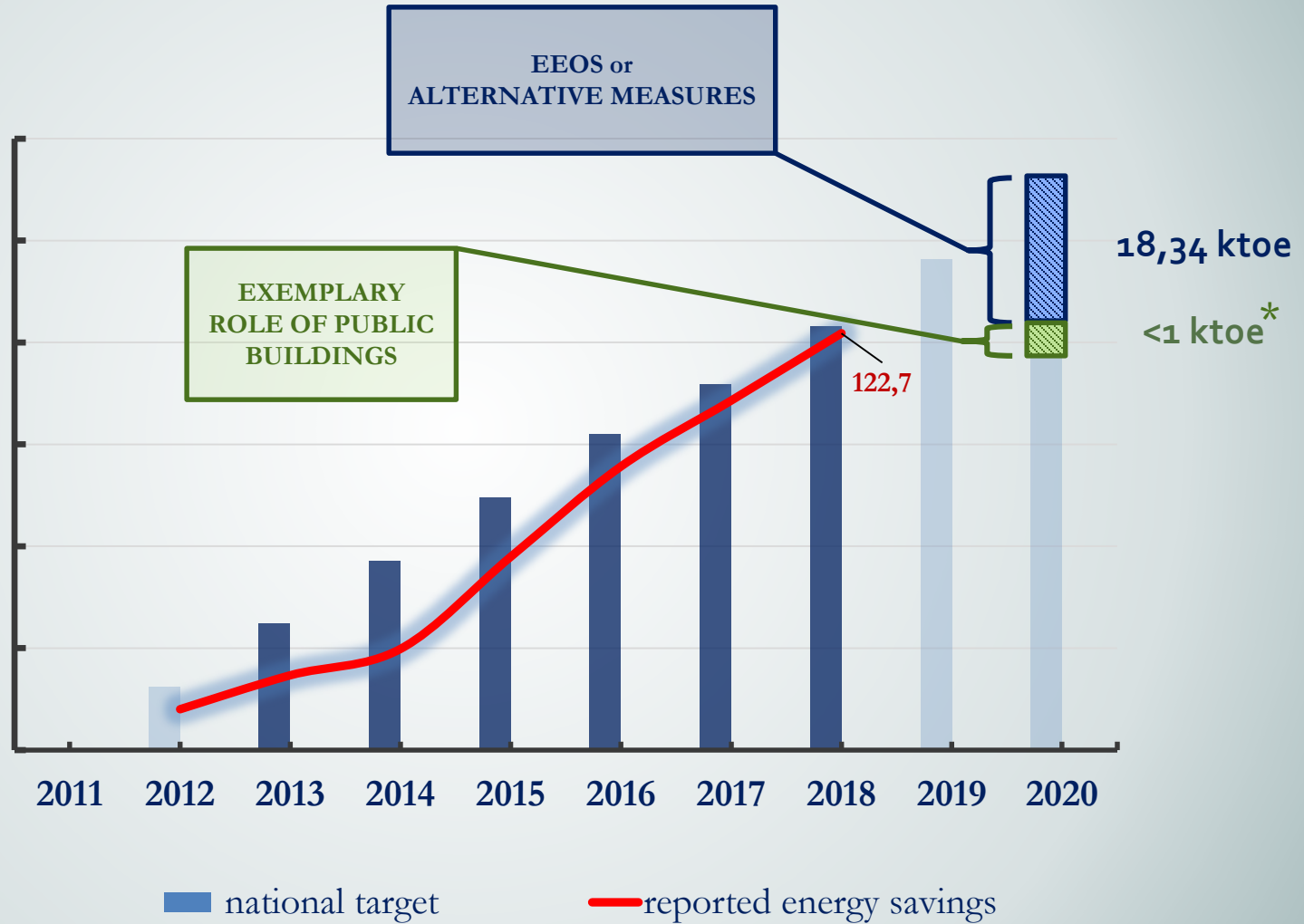
## MONITORING ACTIVITIES



Year	2015	2016	2017	2018	2019	2020
<b>Objectives</b>	74,3	92,9	107,6	124,6	144,4	167,2
<b>Results</b>	56,9	83,5	102,9	122,7	-	-

# NATIONAL 2020 ENERGY EFFICIENCY TARGETS ACCORDING TO NEEAP PLANNING VS ACHIEVED SAVINGS

THIS. TONNES OF OIL EQUIVALENT



Note: Energy savings to be achieved under art. 5 of the EED depends on assumptions made



# EE PLANNED ACTIVITIES AND MEASURES

## ACCORDING TO DRAFT NEEAP 2019-2021

#	Sector addressed by EE measures	No. of measures	Budget/ Cost	Energy savings /2020 yr./	Energy savings /total/
1	Horizontal measures	9	---	n/a	n/a
2	Constructions sector /includes residential s./	2	108 mEUR	6,7	21,1
3	Public sector /includes buildings, street lighting, water supply, etc./	3	131,2 mEUR	8,4	22,7
4	Industry	2	105 mEUR	22,2	68,1
5	Transport	2	13 mEUR	0,4	2,1
6	Energy sector /measures influencing both primary and final energy consumption are clearly distinguished/	4	232 mEUR	4,7	18,1
<b>Final energy savings</b>				<b>37,7</b>	<b>114</b>
<b>Primary energy savings</b>				<b>61,8</b>	<b>203</b>

# DRAFT NEEAP PLANNED ACTIVITIES

## HORIZONTAL MEASURES

1. Measures to strengthen the capacities of **local energy managers**
2. Drafting and approval of **subsidiary acts to EE law**
3. Implementation of the **M&V platform**
4. EPC promotion (**ESCO**)
5. Promotion of **energy auditing activities by big enterprises**
6. Assessment of the **high-efficient cogeneration potential**
7. Assessment of the **energy savings potential** of power and natural gas distribution networks
8. **Public awareness** and communication activities





# DRAFT NEEAP PLANNED ACTIVITIES

## CONSTRUCTION & PUBLIC SECTORS

Measures planned for construction sector:

1. Elaboration and approval of the **energy performance of buildings framework**
2. **Energy efficiency improvements** in residential buildings



Measures planned for public sector:

1. EE improvements in public buildings
2. EE improvements in street lighting
3. EE improvements in the water supply sector

# DRAFT NEEAP PLANNED ACTIVITIES

## SMEs, INDUSTRIAL & TRANSPORT SECTORS

Measures planned for industrial sector:

1. **Modernisation** of industrial sector
2. **Energy management** promotion and use/ implementation of EE **best practices**



Measures planned for transport sector:

1. Implementation of **EE measures** and activities in the transportation sector, including the approval of relevant legislation
2. Promotion of **EVs** and **E-mobility**

# DRAFT NEEAP PLANNED ACTIVITIES

## ENERGY SECTOR

Measures planned for energy sector:

1. Improvement of the performance of existing **district heating systems**
2. Improvements of the **efficiency** of power and natural gas **transportation and distribution**
3. Improvements of the performance of electricity, natural gas and heating **metering and billing**
4. Update of the existing assessment of the **high-efficient cogeneration potential**



# FINANCIAL SUPPORT FOR NEEAP IMPLEMENTATION

## CURRENTLY IMLEMENTING PROJECTS

**Efficiency improvement project SACET Chisinau**  
/ Financed by the IBRD /

40,5 M\$

under  
implementation

**CET Nord Efficiency Improvement Project/  
SACET Balti /**  
/ Financed by the EBRD and E5P Fund /

10,7 MEUR

under  
implementation

**Rehabilitation of the electrical transmission  
networks of TSO SA Moldelectrica**  
/ Financed by the EBRD, EIB and EU NIF/

39,3 MEUR

under  
implementation

**Energy Efficiency and Thermal Public Building  
Refurbishment Project in Chisinau**  
/Financed by the EBRD, EIB and E5P contribution/

25 MEUR

under  
implementation

**TOTAL approx. 110 MEUR**

*Development Partners:*



# FINANCIAL SUPPORT FOR NEEAP IMPLEMENTATION

## UPCOMING PROJECTS AND FINANGING PROGRAMS

### Implementation of EE and RES projects financed by E5P Fund

/Includes a grant component of approx. 30 MEUR/

150 MEUR

development of applications/ files

### EBRD's Green Cities/ GEF Programme

~30 MEUR

under evaluation

### Moldova Energy Efficiency Project

/with EIB, EBRD and NIF contribution/

75,0 MEUR

under development

**TOTAL approx. 255 MEUR**

*Development Partners:*



**VĂ MULTUMESC !**