ENERGY EFFICIENCY REFORM IN UKRAINE: WAYS OF IMPLEMENTATION

9th Baltic Housing Conference, 14 September 2017, Rakvere, Estonia
Structure of housing fund in Ukraine

- **240 thousand** apartment buildings
- **80 thousand** houses higher than 5 floors
- **160 thousand** houses up to 4 floors
- **6.5 million** private houses
Consumer in focus in housing and utilities reform

**Energy efficiency certification of the building**
- Law "On energy efficiency of buildings" №4941
  (submitted to Verkhovna Rada of Ukraine)

**Consumer**

**Financial and technical support for building renovation**
- Law "On the Fund for Energy Efficiency" № 5598
  (adopted in June this year)

**Provision of high-quality utility services**
- Law "On specifics of realization of the property rights in an apartment building"
  (adopted in May 2015)

**Contract terms and service accounting**
- Law "On commercial accounting" №4901
  (adopted in June 2017 in 1st reading)
- Law "On Housing and Communal Services" №1581-d
  (2nd reading Verkhovna Rada of Ukraine)

**Apartment building management**
- Law "On the Fund for Energy Efficiency" № 5598
  (submitted to Verkhovna Rada of Ukraine)

**Concept of reforming TCE**
- (public discussion)
Key laws for energy efficiency reform

- Law “On specifics of realization of the property rights in an apartment building" (adopted)
- Law "On energy efficiency fund" №5598 (submitted to Verkhovna Rada of Ukraine)
- Law "On Housing and Communal Services" №1581-d (2nd reading Verkhovna Rada of Ukraine)
- Law "On energy efficiency of buildings" №4941 (submitted to Verkhovna Rada of Ukraine)
- Law "On commercial accounting" №4901 (adopted)

Management of an apartment building

Rights and responsibilities of co-owners regarding energy consumption of buildings

Energy resources accounting

Accounting and payment for utilities

Conditions for the effective functioning of the EE Fund
The owner / ACAB chooses a product and creates an application with a package of documents (based on energy audit)

Check the application for compliance with the terms of the selected product

Submission of documents to the bank and approval of project financing

The owner / ACAB hires executors for the project

Monitoring the results of the project by the technical office of the Fund

Transfer of the grant to the account of the owner / ACAB or to repay the project loan
Program “70/30” - Kyiv

➢ Competitive program of co-financing of energy efficiency in residential buildings of ACAB and housing cooperatives on condition of 70% payment from the city budget, 30% payment by ACAB / HC.

➢ The Department of Housing and Communal Infrastructure of Kyiv is responsible for the decisions made by the Competition Commission.

➢ Technical supervision from the city is carried out by KP "Kyivstroykonstruktsiya". It is also a customer for the works executed for the expense of the city budget.
Program “70/30” - Kyiv

- Owners (houses) must choose not less than two types of works, one of which:
  - Owners pay from their own funds 30% of the total cost of the project
  - The second type will be executed and paid for by the city. 70% of the total cost
The most widespread measures:

- Replacement of windows
- Warming, replacement of boilers, renewal of heating radiators (for individuals)
- Area IHP (individual heat point)
- Establishment of measuring devices, modernization of lighting for ACAB / HC
**Package “Light”**
- 400 thousand UAH
- (as per 100 apartments building)

**Package “Complex”**
- 5 million UAH
- (as per 100 apartments building)

**Package “Private”**
- 120 thousand UAH
- (house 80 m²)

**240 thousand**
- apartment buildings
- 80 thousand houses higher than 5 floors

**6.5 million**
- private houses

**up to 20% decrease**
- payments for heating
- 20 – 30% grant of the total project cost
- 1.5 - 2 years
- simple payback period of the project, including grant

**up to 60% decrease**
- payments for heating/gas
- 40 – 50% grant of the total project cost
- 5 - 7 years
- simple payback period of the project, including grant
National Action Plan for Renewable Energy for the period until 2020

• developed in accordance with the requirements of Directive №2009/28/EC on the promotion of the use of energy from renewable sources

• approved by Order of the Cabinet of Ministers of Ukraine №902-p dated October 1, 2014

The main goal of the NREAP is to achieve the share of 11% of energy from RES in final energy consumption in the country by 2020
The massive involvement and participation of people

1. Campaigns are implemented to inform the public about the importance and need for energy conservation

- Resource Centers
- Unions of Owners
- Local authorities
- Specialized public organizations

2. Information campaigns on the popularization of credit programs for homeowners are activating.

- Central and local authorities
- Public organizations
- Stakeholder associations (eg. ESCO companies and local active NGOs through programs and projects)
The involving people through learning and professional training for housing manager

1. The preparation of managers, as the main provider of implementation of projects for thermo-modernization

2. The manager must know about the thermal modernization of buildings, the stages and documentation of such projects

3. The basic knowledge of international standards for energy management, like ISO 50001
Structure educational thematic plan

PREPARATION OF MANAGERS OF MANAGING HOUSEHOLD AND MANAGEMENT COMPANIES OF HOUSING ENTERPRISES, WHICH PROVIDE SERVICES FOR MANAGEMENT AND HOLDING OF HOUSING COMPLEX

MODULE I. Organizational-legal and economic aspects of the management and maintenance of residential complex

MODULE II. Techno-technological aspects of safe operation and maintenance of a residential complex

MODULE III. Modern management standards and software for managing and maintaining a residential complex
University-partners of EMAU

- Kyiv National University of Business and Architecture (KNUBA),
- National Technical University of Ukraine
  “Igor Sikorsky Kyiv Polytechnic Institute” (NTUU KPI)
- National University "Lvivska Politekhnika"
- O.M. Beketov Kharkiv National University of Urban Economy (HONG)
- Donbas National Academy of Science and Technology (DonNABA)
- National University of Water Governance and Nature Conservation (NUVGP)
- Yuri Kondratyuk Poltava National Technical University
  ...and others
Training courses at the Zaporizhzhya National University

21 August – 02 September 2017
- ...develops and influences the conformity assessment policy; establishes a list of objects of conformity assessment and their characteristics; approves norms, requirements, technical regulations

- ...carries out accreditation of conformity assessment bodies; develops and approves organizational and methodological documents;

- ...establishes procedures and performs basic conformity assessment activities;

- ...defines the requirements; is the customer of the service and/or "partner" in the implementation of the conformity assessment procedure;

The central executive authority (Ministry of Economy)
National Accreditation Agency of Ukraine (NAAU)
Conformity assessment bodies (certification authority)
An entity interested in carrying out conformity assessment (personnel)
Thank you for attention!

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