ENERGY EFFICIENCY IN UKRAINE:
Status - Opportunities - Perspectives
Reduction of gas consumption during heating period for the years 2013/2014, 2014/2015, and 2015/2016*

- 7.2 billion m³ (or 30%)

Key priority: Substitution of Natural Gas

Dynamics of natural gas substitution during 2014/2015/2016 years **

∑ 1,670 MW introduced during 3 years

*According to "Naftogaz Ukraine" (Excluding ARC, Luhansk and Donetsk regions).

**According to regional state administrations.
Developed National Action Plan on Energy Efficiency for 2020

(Implementation of Directive 2006/32/EU)

Investments under NAPEE for years 2015-2020: 35 billion €

NEAP goal - 9% savings from the average final domestic consumption or 6 501 000 toe in 2020

**Tools:**
- adoption of 100-percent commercial accounting of energy use;
- institutionalization of buildings energy audit;
- state support (subsidizing the cost of thermal modernization);
- adaptation of building regulations and standards according to the requirements of the European legislation;
- the creation of an Energy Efficiency Fund.

**Tools:**
- energy labelling;
- eco-design;
- adoption of incentive tariff (RAB-regulation);
- unbundling of natural monopolies in the heat supply.

**Tools:**
- thermal modernization of 20% of the public sector;
- involvement of energy service companies (performance contracts);
- implementation of energy monitoring and energy management.
State Support for Energy Saving Measures

SAEE

Condominium/population

(1) applying for a credit

(2) loans issue

Bank

(5) Invoices, certificates of completion etc.

(6) A consolidated register of borrowers + copies of documents that confirm targeted use of resources

(7) 20, 30, 40, 70* % of the principal of the loan (for equipment + materials)

(8) Reimbursing 20, 30, 40, 70* % of the principal of the loan (for equipment + materials)

Contractor

(3) payment for work

(4) Invoices, certificates of completion etc.

The term of payment - up to 1-2 months after implementation of measures

*Since 27.08.2015 the amount of compensation for recipients of subsidies on utilities is increased up to 70%
Mechanism
reimbursing the part of the principal of loans for energy efficiency measures*

Monthly dynamics of demand for state support by individuals, condominiums, building co-operatives (replacement of gas boilers and purchase of energy-efficient equipment / materials)

Implementation Stages

1. Stimulating people to introduce biomass boilers (since 15.10.2014)

2. Application of the mechanism for condominiums and private houses for thermal modernization of houses (since 06.05.2015)

3. Increasing the amount of compensation for recipients of subsidies on utilities, expanding the list of energy efficiency equipment and materials (since 27.08.2015)

4. Continued implementation of the program in 2016 (the decision of the Government on 11.11.2015 №929)
For borrowers – individuals (single-family houses, two-family houses)

- Materials for thermal insulation/modernization of the external walls of the residential building, basements, attics and roof
- Energy efficiency windows and balcony doors
- Heat and water meters, multizone (multiple-tariff) electricity meters
- Heat pumps
- Solar thermal collectors
- Heat recovery ventilation
- Heating radiators with thermostats
- Non-gas boilers (including solid fuel, heat-accumulating)

For condominiums (apartment buildings)

- Individual heat point
- Doors in public places
- Materials and equipment for modernization of lighting systems, thermal modernization of internal heating systems, hot water supply (in public places)

State support is provided for the following energy-efficient equipment and materials:
Sample Energy Saving Performance Contract was adopted by the government on Oct 21, 2015

Next steps:
- Developing of guidelines for Contracting Parties (on public purchasing procedures etc.)
- Creation of incentives for ESCO-market development
- Information campaign

**Result:**
- Creation of new ESCO-market with expected volume of €4.4 billion
- Development of market of energy efficient equipment and technologies
- New jobs creation

**Adopted Legal Framework for Energy Saving Performance Contracts in Public Buildings**

**ESCO-mechanism**

(investment return from the achieved energy savings)
There was published information on the potential ESCO objects in the database.
It’s time to INVEST in UKRAINE

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