



EU Energy Poverty Advisory Hub

CONFERENCE

Moving towards energy autonomy:
How to guarantee social inclusion
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Approaches to building renovation – examples from Bulgaria

*Arch. Evelina Stoykova
Sofia Energy Centre*



Energy Efficiency of Multi-Family Residential Buildings National Programme



Major objectives

The Energy Efficiency of Multi-Family Residential Buildings National Programme has been oriented to the renovation of multi-family residential buildings with a main objective to secure better living conditions for the residents in the multi-family residential buildings, heat comfort and higher quality of living environment through implementation of energy efficiency measures.

Implementation Model

The decentralization implementation model. Municipalities carry out acceptance of applications, evaluation, approval, provide funding, monitoring of the implementation of the measures for energy efficiency of buildings. A mayor of each municipality is responsible for carrying out the whole process on the renovation of residential buildings, located on their area and for the selection of contractors under the public procurement act for implementing the separate activities on buildings.



Energy Efficiency of Multi-Family Residential Buildings National Programme



Eligible buildings

Eligible to apply are all multi-family buildings, designed before April, 26, 1999 three or more floored buildings with six or more separate sites with residential use.

Eligible activities

Implementation of energy efficiency measures, prescribed as required for the building in the energy efficiency audit. The most effective package of energy saving measures for the building is financed under the Programme, where energy consumption class C in line with the ordinance for energy efficiency, heat storage and energy saving in buildings has been achieved.

Target group - general population

Financing scheme - subsidy, 100%



Energy Efficiency of Multi-Family Residential Buildings National Programme

Pros

- The refurbished buildings can be considered as a good practice as the implemented measures lead to higher indoor comfort and lower energy consumption and they are good examples for the home owners.
- The 100% grant lead to a huge interest in the programme and a lot of applications



Energy Efficiency of Multi-Family Residential Buildings National Programme



Cons

- The approach 100% grant for the refurbishment is not applicable for a long-term programme.
- The programme addresses only big multi-family residential buildings. Houses represent 50% of the dwelling stock in the country and it is not covered by the programme.
- There are no options for investing in future improvements, especially RES installations.
- There is no targeted support for the different social groups.





Up-Stairs - in 1 paragraph

The UP-STAIRS project accelerates the creation of energy communities. It develops flexible and iterative business model frameworks for One-Stop-Shops for local collective actions which support local stakeholders in working together. UP-STAIRS facilitates citizen participation in the energy transition and supports them in becoming prosumers. One-Stop-Shops for energy communities are set-up in 5 pilot regions in Austria, Bulgaria, Germany, Ireland and Spain.





Objectives

- Accelerating the creation of new energy communities in 5 pilot regions
- Supporting citizens and municipalities in becoming prosumers
- Testing new Energy Service model frameworks of One-Stop-Shops for local collective actions which support local stakeholders in working together
- Stimulating replication in other regions throughout the EU.

Impacts

- Accelerating the creation of new energy communities in 5 pilot regions
- Supporting citizens and municipalities in becoming prosumers
- Testing new Energy Service model frameworks of One-Stop-Shops for local collective actions which support local stakeholders in working together
- Stimulating replication in other regions throughout the EU.





Activities in Bulgaria

- **Pilot region** - Municipality of Asenovgrad;
- **Establishment of a unit at the municipality for servicing one-stop shop** for energy communities by citizens in order to implement measures for energy efficiency and renewable energy sources in private residential buildings, mainly multi-family, panel;
- **Unit model** - municipal structure with office and internet platform, aimed at the citizens of the municipality, divided into three target groups;



Activities in Bulgaria

Functions of the unit:

- Marketing the concept of collective action and supporting the energy community;
- Consultations on legal aspects, technical solutions and other benefits;
- Facilitating collective activities by assisting in collecting the necessary documents, providing applications for funding and selecting contractors after funding is approved;
- The aggregation of the measures for a common solution for all owners of apartments in the building, as well as for the common parts (ceilings, basements, etc.);
- Advice on benefits / costs and possible funding opportunities;
- Monitoring of construction works.





Activities in Bulgaria

Target group 1:

- Demographic profile: over 50, live in private multi-family prefabricated buildings, in their own apartment without a mortgage, with low income or without a job, socially vulnerable and at risk of energy poverty;
- Behaviour: save energy to save costs, often at the cost of reduced comfort;
- Active in local neighbourhoods;
- Incentive to implement measures: improving comfort at the same cost or reducing costs at the same comfort;
- Need for advice: on the availability and conditions of grant programs for energy efficiency measures.





Activities in Bulgaria

Target group 2:

- Demographic profile: ages 18-30, interested in new technologies for everyday life, living in multi-family prefabricated buildings, young professionals with higher education and income, most often with mortgages for their apartments;
- Behaviour: save energy to help reduce carbon emissions;
- Active in social networks;
- Incentive to implement measures: to have a greener lifestyle, to contribute to sustainability;
- Need for assistance: legal and organizational aspects of energy communities for energy efficiency and implementation of RES in private multifamily buildings.





Activities in Bulgaria

Target group 3:

- Demographic profile: ages 30-50, living in private multi-family panel buildings, with average income;
- Behaviour: most often save energy to save costs, but may also have environmental considerations;
- Active both in social networks and in neighbouring communities;
- Incentive to implement measures: reduce costs while leading a greener lifestyle;
- Need for advice: on the availability and conditions of grant programs for energy efficiency measures, but also on the environmental benefits and impact on climate change.





Activities in Bulgaria

Pros

- The programme addresses all types of residential buildings.
- There are tailored solutions for different target groups
- The one-stop-shop offer flexible solutions that can be applied in several steps during several years

Cons

- The interest of homeowners depends on the available grants and subsidies
- It is difficult to tackle the different needs of different target groups that live in the same building





THANK YOU FOR YOUR ATTENTION!

Arch. Evelina Stoykova
Sofia Energy Centre
estoykova@sec.bg

