

# **REMOVING BARRIERS TO RESIDENTIAL ENERGY EFFICIENCY IN CENTRAL AND EASTERN EUROPE**

**WORKSHOP**  
**Organized by the**  
**Alliance to Save Energy**

**Supported by**  
**The Renewable Energy and Energy Efficiency Partnership and**  
**The United States Agency for International Development**



## **FINAL AGENDA**

**FEBRUARY 6-7, 2006**  
**KIEV, UKRAINE**

## **Day One - February 6, 2006**

8:00 – 9:20 Registration

9:20 – 9:25 Welcome and Opening Remarks

*Stanislav Potapenko, Consultant, Alliance to Save Energy, Ukraine*

9:25 – 9:45 Improving Residential Energy Efficiency in Transition Countries

*Ira Birnbaum, Energy Efficiency and Global Climate Change Coordinator, U.S. Agency for International Development, USA*

9:45 – 10:05 Renewable Energy and Energy Efficiency Partnership: Experiences with Energy Efficiency

*Kristina Vilimaite, Project Manager, REEEP Regional Secretariat for Central and Eastern Europe and Turkey, The Regional Environmental Center for Central and Eastern Europe, Hungary*

10:05 – 10:25 Prevalent Barriers to Residential Energy Efficiency in Central & Eastern Europe

*Angela Morin Allen, Program Manager, Alliance to Save Energy, USA*

**10:25 – 10:50 Coffee Break – Press Conference**

### **Session I: Legislative and Institutional Barriers to Residential Energy Efficiency and Experiences with Reducing and Overcoming Those Barriers**

*Moderator: Anatoliy Kopets, Consultant, Alliance to Save Energy, Ukraine*

This set of presentations will discuss the role of various institutions in making energy-efficiency and related improvements to multi-apartment buildings. The influence of the following types of institutions and how they have enabled or obstructed energy-efficiency improvements in selected regional countries will be discussed: mayors and municipal councils, ministries and other policymakers, housing associations, housing maintenance and management companies, communal service providers (publicly and privately owned and operated), housing advisory agencies, and NGOs.

10:50 – 11:10 Lithuanian Housing Programs and Strategy

*Vytautas Jonaitis, Deputy Director of the Construction and Housing Department, Ministry of Environment, Lithuania*

11:10 – 11:30 Incentives of the Slovakian Government for Energy Efficiency Improvements of the Housing Stock

*Gabriel Doric, Deputy Mayor of Michalovce City, Slovakia*

11:30 – 11:50 Energy Efficiency Measures in the Romanian Residential Sector: A Policy Perspective

*Monica Iorgulescu, Expert, Agency for Energy Conservation, Romania*

11:50 – 12:10 **Discussion:** Value of policies and institutions in decreasing the barriers to energy efficiency in the residential sector.

**Session I-A: Fiscal Barriers, Proprietary Issues and Policy Enforcement and Experiences with Reducing and Overcoming Those Barriers**

*Moderator: Anatoliy Kopets. Consultant, Alliance to Save Energy, Ukraine*

This session will cover the role of tariffs, subsidies and cross-subsidies, housing policies, energy policies, ownership policies, taxes, energy planning, and the enforcement of these various policy measures that either encourage or discourage residential energy efficiency. For each barrier described, the speaker will discuss some of the approaches used in practice to overcome those barriers. Experiences from a selection of countries will be presented.

12:10 – 12:30 Competitive Management Programs within the Residential Housing as a Key to Energy Efficiency

*Sergey B. Sivaev. Director of Municipal Economy, Institute for Urban Economics, Russia.*

12:30 – 12:50 Incentives and Shortcomings of Housing Legislation and its Influence on Implementation of Energy Efficiency Projects in Multifamily Buildings

*Ion Ciobotaru. Consultant, Communal Services Department, National Agency for Regional Development, Republic of Moldova*

12:50 – 13:10 Armenia's Ongoing Energy Efficiency Reform and Its Promotion: The Energy Efficiency Law and the National Energy Efficiency Program

*Astghine Pasoyan. Program Manager, Alliance to Save Energy, Armenia  
Arusyak A. Ghukasyan. Program Consultant, Alliance to Save Energy, Armenia*

13:10 – 13:20 Overview: Dutch International Guarantees for Housing (DIGH)

*Eric Berman, Team Leader, Sustainable Self-Management of Multifamily Buildings, AGORA Europe.*

**13:20 – 13:40 Discussion:** Summary of Fiscal Barriers, Proprietary Issues and Policy Enforcement and Solutions

**13:40 – 14:30 Lunch SPONSORED by SIEMENS**

**Session II: Technical and Implementation Barriers to Residential Energy Efficiency**

*Moderator: Angela Morin Allen. Program Manager, Alliance to Save Energy, USA*

Presentations in this session will focus on what can be done in cases where there are a range of technical barriers: if the scale of a project and the problems to be solved seem too large, how can it be tackled one problem at a time so that improvements are made and people see results? If there is mixed (public and private) ownership of apartment units within a building, what can be done to facilitate decision-making so that energy-efficiency opportunities are not lost to the inability to agree? When and how should the public be informed and involved in a project? How to improve awareness and willingness to take action? What types of informational campaigns are most effective? When and how should the public be informed and involved in a project? How to turn lack of awareness into improved awareness and willingness to take action? What types of information campaigns are most effective? How are relationships between residential customers and communal service companies (public and private) best managed?

14:30 – 14:50 Evaluation of a Housing Stock Retrofit Project in Uzhgorod, Ukraine: Lessons Learned

*Oleh Luksha. City Councilor of Uzhgorod, Ukraine.*

*Nikolaus Diefenbach. Dr.-Ing. Dipl.-Physiker, Energie, Germany*

14:50 – 15:10 Energy Savings through Consumption-Based Billing: Experiences from Central and Eastern Europe

*Frank Barz. Director Business Development, ista GmbH, Germany*

15:10 – 15:30 Energy-Efficient Retrofitting of Low-Income Multifamily Buildings

*Andrzej Rajkiewicz. Vice President of the Board, National Energy Conservation Agency S.A., Poland*

15:30 – 15:50 Coffee Break

15:50 – 16:10 Bosnia and Herzegovina: Energy Efficiency Experiences within the Residential Sector

*Lena Bratic, President of the Center for Energy Efficiency, Bosnia and Herzegovina*

16:10 – 16:30 UNDP and World Bank Metering Project in Armenia: Results and Lessons Learned

*Diana Harutyunyan. UNDP/GEF Project Manager*

16:30 – 16:50 The Role of Housing Maintenance Companies in Promoting Energy Efficiency Projects for Ukraine's Housing Stock

*Valery Kovalyuk. Lutsk Housing Maintenance Company, Ukraine.*

16:50 – 17:05 Experience of Re-Construction of Three-Apartment Buildings into Buildings with Low-Energy Consuming

*Irina Denys. Deputy Chief Editor of Magazine "Market of Installations" Information on contribution to energy efficiency by the Magazine "Market of Installations"*

*Oksana Scherbina, Magazine "Market of Installations"*

17:05 – 17:20 The Role of Media in Promoting Energy Efficiency in the Residential Sector

*Valentina Piontkovskaia, Business-journalist, Stroy-Business Magazine, Republic of Moldova*

17:20 – 17:50 **Discussion:** Summary of technical and implementation barriers and effective solutions/recommendations.

7:30 – Dinner

## **Day Two - February 7, 2006**

### **Session III – Regional, Financial and Market Barriers to Residential Energy Efficiency**

*Moderator: Astghine Pasoyan. Program Manager, Alliance to Save Energy, Armenia*

The presentations in this session will discuss the experience with addressing barriers to market development and financing various types of energy-efficiency initiatives in the residential sector: small and medium-sized projects, larger projects, awareness programs, financing programs, capacity building programs, policy implementation (i.e. how public institutions pay for energy-efficiency programs that enhance policy implementation and enforcement). The presentations offer case studies from around the region.

9:00 – 9:20 Financing Energy Efficient Renovation in the Housing Sector: The Lithuanian Experience

*Valius Serbenta. Director of Housing Agency, Lithuania*

9:20 – 9:40 Creation of a Building Energy Efficiency Micro-Revolving Fund: Experience from Aparan, Armenia

*Tigran Parvanyan. Program Consultant, Alliance to Save Energy, Armenia.*

9:40 – 10:00 Vendor-Credit Financing for Energy Efficiency in the Residential Sector

*Andriy Chumak. Association of Energy Saving Cities, Ukraine*

10:00 – 10:20 Coffee break

10:20 – 10:50 Cooperation of Public Institutions and Governmental Organizations in Financing Energy Efficiency Projects in Russian Municipalities: Examples from the Volga River Region and Russian Far East.

*Oleg Fokin. Executive Director, Fund for Sustainable Development, Russia*

10:50 – 11:10 Joint Efforts to Promote Energy Efficiency in Residential Sector: Synergizing Local Governments, Residents, Banks and Manufacturers

*Dr. Dagnija Blumberga. Professor, Head of Department of Energy Systems and Environment, Riga Technical University, Latvia*

11:10 – 11:30 Financing Options for Energy Efficiency Projects in the Residential Sector

*Georgi Georgiev, PhD. Architect, Manager of Bulgarian Home-Owners Association, Bulgaria*

11:30 – 12:00 **Discussion:** Problems and solutions of loan financing.

**Session IV – The Role of Energy Efficiency in Making Communal Services Affordable to Residential Consumers** *Moderator: Diana Harutyunyan. Project Manager. United National Development Program/Global Environmental Facility. Armenia*

This session aims to:

- briefly discuss the various tariff- and subsidy-based policies that aim to alleviate the burden of utility costs on vulnerable households
- discuss data about affordability in urban areas from the WB, EBRD, and our research
- discuss comparative costs and benefits of the more traditional policy approaches with the experience of energy efficiency retrofits in selected countries of the region
- present some of the most exemplary case studies about energy-efficiency in urban housing

12:00 – 12:20 Affordability of Municipal Utility Services in Urban Housing: Energy and Water Efficiency Solutions

*Igor Bashmakov. Executive Director, Center for Energy Efficiency, Russia*

12:20 – 12:40 Quantitative and Qualitative Benefits of Energy Efficiency, and Targeting Energy-Efficiency Assistance to Low-Income Households.

*Angela Morin Allen. Alliance to Save Energy, USA.*

12:40 – 13:00 Offsetting Tariff Increases with Energy Efficiency Projects in Romania: Demand and Supply Side Examples

*Honoriu Pitaru. Director of Energy Consultants Department, MITHOS INTERNATIONAL SA, REEN team, Romania*

13:00 – 13:35 **Discussion:** Most effective means to include energy-efficiency in the policy formulation; its growing role in urban poverty alleviation, and social welfare in the region.

13:35 – 13:50 **Closing Discussions and Recommendations**

*Moderator: Binu Parthan. Deputy Director of REEEP International Secretariat, Vienna*

13:50 – 14:05 Closing Remarks

*Astghine Pasoyan. Program Manager, Alliance to Save Energy, Armenia*

14:05 – 15:00 Lunch

15:00 – 17:00 **Session V – Working Meeting on Alliance/USAID Study – “Addressing Affordability of Utility Services in Urban Housing: Energy and Water Efficiency Solutions”** *Moderator: Ira Birnbaum and Angela Morin Allen*

Moderated discussion of all participants on the following topics:

- Presentation of any findings at the country level and the regional level if not already presented during the workshop. Contributions from Bulgaria, Armenia, Russia,

Ukraine, Moldova, and Romania are expected, and additional input from Poland, Slovakia, Lithuania and Latvia is encouraged.

- Discussion of residential end-use case studies and their replication potential in different parts of the region.
- Cost-benefit discussion: making the policy case for inclusion of end-use energy efficiency in social safety net programs. What have we found about the costs of traditional tariff/subsidy schemes vs. energy-efficiency programming and investment costs, and the corresponding benefits and effectiveness of each in different countries?
- Next steps for the affordability study research team.