



United Nations
Economic Commission for Europe



Policies and Strategies for Promotion of Energy Efficiency and Renewable Energy in South- Eastern Europe

Oleg Dzioubinski
Energy Efficiency 21 (EE21) Programme Manager
UNECE/Sustainable Energy Division

Business Planning of Energy Efficiency and Renewable Energy
Projects in South-Eastern Europe
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Financing Energy Efficiency Investments for Climate Change Mitigation (FEEI) Project



Long-Term Objective

Promote an investment environment for self-sustaining energy efficiency and renewable energy projects to be developed and financed to reduce greenhouse gas emissions

Activities

- Source of financing with dedicated investment funds
 - Training to help establish bankable project proposals
 - **Institutional and policy reforms**
 - Establishing network of energy efficiency managers
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- **12 participating countries**
 - 2 European Union countries: **Bulgaria**, Romania
 - 5 South-Eastern European countries: **Albania, Bosnia and Herzegovina, Croatia, the former Yugoslav Republic of Macedonia, Serbia**
 - 5 countries of Eastern Europe and Central Asia: Belarus, Republic of Moldova, Kazakhstan, Russian Federation, Ukraine



Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments



- Full electronic version (in English) is available at UNECE and FEEI project websites:
http://unece.org/energy/se/pdfs/eneff/eneff_pub/E21_FEEI_RegAnl_Final_Report.pdf

http://feei.info/assets/cms/File/Regional%20Analysis_Final%20Report.pdf
- Executive Summary published in English and Russian



Barriers for investments in energy efficiency and renewable energy sources



Main legal, institutional and administrative barriers

- Complexity of the regulatory framework; regulatory instability and discontinuity
- Lack of secondary legislation and operational instructions, tools and procedures
- Complex and cumbersome authorization procedures
- Inefficiency and limited use of public tendering processes



Barriers for investments in energy efficiency and renewable energy sources



Main economic and financial barriers

- State intervention in price formation
- Energy tariffs not covering full costs
- Obsolete and insufficient infrastructure for transmission and distribution of energy
- Limited availability of public funds for financing initiatives and projects
- Relatively small size of EE and RES projects



Barriers for investments in energy efficiency and renewable energy sources



Main barriers in the level of awareness, human capacity and professional skills

- Overall low level of awareness of the need in energy efficiency improvements
- Commercial banks lack experience in financing schemes
- Lack of training and education possibilities for improving professional skills
- Lack of capacity for preparation of bankable projects



Recommendations for policy reforms

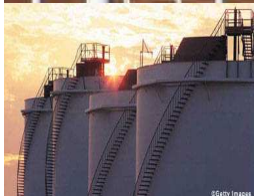


Improving legal, institutional and administrative framework

- Development of policy frameworks
- Monitoring of policy implementation
- Transparent procedures for tendering, authorizations, grid connections
- Establishment or strengthening of institutional structures



Recommendations for policy reforms



Overcoming economic and financial barriers

- Energy tariff reforms
- Provision of financial incentives for energy efficiency and renewable energy
- Advanced feed-in tariffs



Recommendations for policy reforms



Raising level of awareness, human capacity and professional skills

- Increasing public awareness and dissemination of information
- Capacity Building



International Energy Efficiency Forum 28-30 September 2010, Astana

Parallel event to the Ministerial Conference on Environment and Development (MCED-6), organized by ESCAP

Co-organizers: UNECE, ESCAP, UNDP, UNEP, Government of Kazakhstan

Plenary sessions (first day) and workshops (second day):

Workshop on Investments in Energy Efficiency and Renewable Energy Projects

Green Buildings Workshop

Website of the Forum:

http://www.unece.org/energy/se/docs/eneff_AstanaEEForum_Sept10.html





Government of
Kazakhstan



United Nations
Economic Commission
for Europe



United Nations
Economic and
Social Commission for
Asia and the Pacific



United Nations
Development
Programme



United Nations
Environment
Programme



MCD-6
6th Ministerial
Conference on
Environment and
Development

International Energy Efficiency Forum

28-30 September 2010
Astana, Kazakhstan

- Assessment of energy efficiency (EE) and renewable energy (RE) policy and legislative frameworks
- Analysis of international best practices in EE and RE
- Status and potential of EE and RE in various economic sectors
- Energy efficiency in the residential and municipal sector
- Ways and means of financing EE and RE investments



International Energy Efficiency Forum Outcomes



- Buildings sector offers significant low-cost opportunities for energy efficiency improvements
- Barriers to financing EE and RE discussed
- Access to various sources of financing; tapping into commercial financing
- Role of the state in making EE and RE projects viable
- Importance of capacity building to develop bankable projects



International Energy Efficiency Forum Outcomes (continued)



- Specific examples presented: case studies in buildings sector (Croatia, Serbia); EE funds (Bulgaria, Thailand)
- Experience in financing and implementing projects: IFC, EBRD, EADB, Conning Asset Management, Norsk Energi, ICF International and Renaissance Finance International
- Policy reforms are directly connected with the potential for investments in EE and RE projects
- Large and diverse RE potential in the CIS countries could have important benefits for the environment, energy security and the economy
- Proposal to make the International Energy Efficiency Forum a regular event



Second International Energy Efficiency Forum 12-14 September 2011, Dushanbe



**Co-organizers: UNECE, ESCAP, UNDP,
Government of Tajikistan**

**Plenary sessions (first day) and workshops
(second and third day):**

***Workshop on Energy Efficiency Policy
Frameworks and Investments in Energy
Efficiency and Renewable Energy Projects***

***Workshop on Foreign Direct Investments (FDI) in
Advanced Fuel Technologies***

Website of the Forum:

<http://www.unece.org/energy/se/eneffic.html>



Thank you for your attention!



Oleg Dzioubinski

EE21 Programme Manager

Economic Affairs Officer

UNECE Sustainable Energy Division

+41 22 917 2360

oleg.dzioubinski@unece.org

<http://www.unece.org/energy/se/eneffic.html>

<http://feei.info/eng/background>