



United Nations
Development
Programme

Programme Area:

Conserving energy and preserving the natural environment for sustainable development

Project Number:

BUL/48788

Duration:

48 months

Initially Planned Start Date:

January 2006

Start date:

June 2006

Partners:

Ministry of Economy and Energy (MEE)

Energy Efficiency Agency (EEA)

Ministry of Regional Development and Public Works (MRDPW)

Budget

US \$ 7,273,000, of which: GEF
– US \$ 1,000,000 Co-financing – US \$ 6,273,000

National Project Director:

Mr. Zdravko Genchev
Executive Director, EnEffect

Project Manager:

Mr. Peter Ivanov

UNDP Programme Officer:

Mrs. Elena Panova

Project Office:

1, Hristo Smirnensky Blvd.
Sofia 1164

E-mail:

eneffect@eneffect.bg
pivanov@eneffect.bg

Telephone:

(359 2) 963 1714
(359 2) 963 2169

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Building the Local Capacity for Promoting Energy Efficiency in Private and Public Buildings

Project Description:

The objective of the project is to improve the energy efficiency of the energy use in private and public buildings in Bulgaria through strengthening the institutional framework, raising awareness and building the capacity of the targeted end user groups in order to create sustainable demand for energy efficiency investments and related services; building the capacity of the local energy service providers to market their services and to meet the requirements of the targeted financiers to finance energy efficiency (EE) projects; and facilitating effective replication and dissemination of the results by i) institutionalizing the further support needed for the promotion of EE measures in public and private buildings, ii) by addressing the remaining legal and regulatory barriers and by iii) facilitating effective dissemination of the project results and lessons learnt.

Expected results:

- 1) Enhanced awareness and capacity of local architects and engineers to better adopt energy efficiency aspects into the design of new buildings and retrofit of existing ones.
- 2) Raised awareness and built capacity of the targeted end users to develop and structure financing for economically and financially feasible EE projects, thereby creating a sustainable demand for energy efficiency equipment, materials and related services in the buildings market.
- 3) Incorporated energy efficiency aspects more strongly into the ongoing efforts to renovate the existing building stock.
- 4) Built capacity of the local energy service providers to effectively market their services and to meet the requirements of the targeted financiers to finance EE projects.

Locations:

- Project Management Unit in Sofia;
- Local focal points established in four Bulgarian municipalities.

Benefits:

- Enhanced local capacity for implementing energy efficiency in private and public buildings;
- Strengthened institutional capacity for promoting energy efficiency in buildings.

Project results up to date:

- Opportunities for the best approach towards students' training on low energy building design were explored. Professors from UACG have been contacted and common decision was made to include student training into faculty curricula. Training program was elaborated and submitted for incorporation in students' curricula.
- Training seminar on low energy building design for chief city architects was carried out. Totally 41 experts were trained – 35 architects from 33 municipalities and 6 representatives of other partner organizations.
- Training seminar on low energy building design for practicing designers was carried out. 76 designers, representatives of 63 design companies, were trained.
- Four training courses on Municipal Energy Planning were conducted. 153 municipal officers plus 19 representatives of different municipal organizations were trained thus accomplishing this activity.
- The alternative energy efficiency designs and analyses of pilot projects bl. 17 in Blagoevgrad, bl. 35 UACG Sofia and SME building in Pravetz have been accomplished.

- Development of a handbook / guide for energy efficient building design continued. Guide on green architecture was published.
- Guide on Municipal Energy Planning was developed.
- Two Municipal Energy Programs have been developed.
- Process of implementation of the energy audits prescriptions leading to actual implementation of EE measures was studied and final report was produced.
- Existing incentives for energy efficiency and their impact on the national energy efficiency policy were studied. Analytical report with recommendations has been developed.
- The fourth Local Focal Point (LFP) in town of Lom was established. Experts from LFPs have been consulted and provided regularly with current information.
- Development of an electronic reference book for energy efficiency in hotels has begun.
- Development of a Catalogue of best practices on sustainable and energy efficiency buildings has been accomplished
- Work on the internet portal continued with updates of different parts of the site
- Mid-term evaluation was carried out and some important recommendations were made. Project indicators, targets and baselines were redesigned according to these recommendations in order to achieve relevant, efficient and informative calculations of project results and better impact for effective adaptive management use. Logical Framework has been thoroughly reviewed and modified to correctly reflect the current situation in the building sector caused primarily by the substantial economic downturn and significant slowdown of the building sector. Along with these changes GHG Emission Reduction Benefit Calculations Tables were elaborated. Furthermore Management Board was established (comprising UNDP management members and EnEffect executive director) as a main leverage for better monitoring and evaluation of the project. The board accepted changes of the main project documents and methodology for the calculation of CO2 emissions reduction and all other updated project documents: Revised Logical Framework, Project Results and Resources Framework (PRRF), Annual work plan (AWP) 2009 and AWP 2010. On the Management Board meeting were discussed and accepted also the updated project specific documents: Revised Logical Framework, PRRF, AWP 2009 and AWP 2010.
- Elaboration of Terms of Reference (ToR) for any project activity was completed. All ToRs, containing information for target groups, background, objectives, scope of work, deliverables, implementation timeframe, staff and financial resources allocated were elaborated and accepted by Management board.
- Steering committee meeting was hold. Members of the committee, who are the main project stakeholders, have been informed about the project progress and have discussed its main achievements. They also stated support for the project of the institutions they represent. The meeting adopted strategic project documents developed and enforced in the Q1, namely Project results and resources framework, Work plan 2009 – 2010, revised Logical framework and six month no cost extension of the project till October 2010.

Planned outputs for the next year:

- Finalization of the training on sustainable building design
- Finalization of the handbook/guide for energy efficient building design and publishing
- Publishing of the guide on Municipal energy planning
- Development and upload of the electronic reference book for energy efficiency in hotels
- Publishing of the catalogue of selected best practices of sustainable buildings

- Development of EE Internet portal
- Development of a Project Implementation Review
- Final Evaluation
- Final event and closure