

Annual Progress Report

Project title: Financing Energy Efficiency and Renewable Energy Investments for Climate Change Mitigation

Project number: IMIS: GFL-2328-2721-4961 PMS: GF/4040-07-02

Project documents: UNECE had concluded agreements with each donor organization on funding and implementation of the project. The table below indicates dates of signature of the project documents with donor organizations.

United Nations Foundation/ UN Fund for International Partnership	22 September 2006
United Nations Environment Programme/Global Environment Facility	1 March 2007
Fonds Français pour l'Environnement Mondial (FFEM)	27 April 2007

Project manager/s:

<i>Name</i>	<i>Functional Title</i>	<i>Contacts</i>
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Project starting date: 1 January 2008

The project starting date remains 1 January 2008 due to later signature of the project documents (see above) and disbursement of funds from the respective donors for the first year of project implementation.

Project completion date: 31 December 2011

Reporting period: 1 January – 31 December 2010

Project budget:

The total project budget comprises of US\$ 10,950,000 where US\$ 3,200,000 is the UNNCE in-kind contribution and the rest of amount is the funds provided by respective donors. The expected contributions from donors are listed in the table below:

<i>Source of funding</i>	<i>Amount (US dollars)</i>
United Nations Foundation/ UN Foundation for International Partnership	2,000,000
Fonds Français pour l'Environnement Mondial (FFEM)	2,500,000
UN Environment Programme/ Global Environment Facility	3,000,000
European Business Congress	250,000
Participating countries (in-kind)	1,200,000
UNNCE Secretariat (in-kind)	2,000,000
Total budget:	10,950,000

Purpose:

Summary of main objectives and expected outcomes as per approved project document

This project is to assist the participating countries to enhance their energy efficiency, diminish fuel poverty arising from economic transition and meet international environmental treaty obligations under the UN Framework Convention on the Climate Change (UNFCCC) and the UNNCE. It will provide a pipeline of new and existing projects dedicated to public private partnership investment funds. The project will establish an expanded and enhanced network of selected municipalities linked by advanced Internet communications with international partners for value added information transfers on policy reforms, financing and energy management. It will provide case study investment projects in renewable energy technologies, electric power and clean coal technologies. The project is intended to (i) identify and develop investment projects and strengthen capacities of a network for the development of energy efficiency; (ii) institutional strengthening and provision of assistance to municipal authorities and national administrators to introduce economic, institutional and regulatory reforms needed to support these investments projects; and (iii) provide opportunities and support banks and commercial companies to invest in these projects through professionally managed investment funds. This project is to promote a self-sustaining investment environment for cost-effective efficiency projects for carbon emissions trading under the UNFCCC Kyoto Protocol.

Results:

The progress in project implementation in 2010

<i>Description of work undertaken</i>	<i>Major challenges encountered and findings/recommendations</i>
First half –year (1 January – 31 June 2010)	
OBJECTIVE ONE: Identifying, developing investment projects and strengthening capacities of a network for the development of energy efficiency	
<p>(a) In accordance with the Contract and the Project Implementation Plan, within the reporting period the contractor EnEffect submitted six monthly and two status reports.</p> <p>(b) The project regional website is designed, fully prepared, established on the online platform and launched (www.feei.info). The national webpages are also prepared in the framework of the regional website.</p> <p>(c) The second issue of the project newsletter is prepared and printed before the 15th session of the Ad Hoc Group of Experts in June 2010.</p> <p>(d) The Executive Summary of the Regional Analysis of Policy Reforms is prepared and published in English and Russian.</p> <p>(e) The guidelines on the use of project website as well as</p>	<p>(a) The third status report was submitted in April 2010, the fourth status report was submitted in June 2010. Among the deliverables included in these reports are the establishment of project website, selecting platform for online communication, preparation of project promotional materials, etc</p> <p>(b) Currently the contractor is working on internal structuring of the website sections as well as filling these sections with the last updated information on project developments.</p> <p>(c) The second issue of the newsletter concentrated on the results of Regional Analysis of Policy Reforms to Promote Energy Efficiency Investments as well as other activities implemented in the framework of the project.</p> <p>(d) The booklet of Executive Summary contains regional and country analysis summary information of results of a 637 pages Report. It is available online on the project regional website (http://www.feei.info/eng/Policies/Final_report)</p> <p>(e) These guidelines allow learning various modalities of</p>

<p>(f) This phase of the training component will be finalized in July 2010 and will provide knowledge on the use of communication platform, project website and ability to insert and edit information of the webpages dedicated to the project countries.</p> <p>(g) This meeting clarified the variety of existing standards/requirements for EE and RE project proposals and concluded on necessity to develop a unified standard approach towards preparation of EE and RE project proposals. The preparatory work on this is being initiated.</p> <p>(h) This training was addressed to the project developers and representatives of municipalities from several regions of Siberia Federal District of the Russian Federation.</p> <p>(i) In the framework of these MoUs the NPIs provided energy efficiency related national data and information to be placed on the project website.</p> <p>(j) In the framework of these MOUs the NPIs will update and maintain national project website.</p>	<p>the platform for online communication is prepared and disseminated among project participants.</p> <p>(f) A series of training sessions on online communication was conducted with the representatives of the NPIs in June 2010.</p> <p>(g) The first introductory meeting on the Investment Project Development Standards was organized in Geneva in June 2010.</p> <p>(h) The first training to develop energy efficiency and renewable energy investment projects and prepare bankable project proposals was conducted in the Russian Federation on 17-18 June 2010.</p> <p>(i) Memoranda of Understanding (MoUs) have been fully implemented between UNECE and the NPIs in the following participating countries: Belarus, Bulgaria, Republic of Moldova, Russian Federation and Ukraine. The MoUs with the other project countries are under implementation.</p> <p>(j) The new Memoranda of Understanding (MOUs) are being signed with NPIs in Belarus, Bulgaria, Republic of Moldova, Russian Federation and Ukraine.</p>
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<p>(k) The work on investment project pipeline will be initiated in the framework of the new grants awarded to the NPIs.</p>	<p>(k) As part of the MoU assignments the NPIs, working in close cooperation with Investment Fund Designer contractor, will prepare at least five investment project proposals.</p>
<p>OBJECTIVE TWO: Institutional strengthening and strengthening energy efficiency and renewable energy policies</p>	
<p>(a) The contractor Poyry Energy Consult AG had completed the implementation of its assignment under the contract.</p> <p>(b) The Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments report was prepared and is available on the UNECE website (http://unece.org/energy/se/eneffic.html) and on the FEEI project regional website (http://www.feei.info/eng/Policies/Final_report)</p> <p>(c) The Executive Summary of the Regional Analysis findings was printed in both English and Russian.</p> <p>(d) Several MoUs between NPIs and UNECE were fully implemented, the rest of MoUs are under implementation (see 2 (i)).</p> <p>(e) Workshop to Promote Benefits of Interfuel Substitution in Municipalities of the Federal District of Siberia was held in Tomsk, Russian Federation on 16-18 June 2010.</p>	<p>(a) The contract was fully implemented after the approval by PMU of the final version of the Regional Analysis of Policy Reforms to Promote EE and RE Investments.</p> <p>(b) The report of 637 pages was prepared, printed in a limited number of copies and distributed among the project participants.</p> <p>(c) The booklet was printed and distributed among all project participants during the 15th session of the Group of Expert on EE Investments in June 2010 and available online at: http://www.feei.info/eng/Policies/Final_report</p> <p>(d) Under these MoUs the NPIs prepared and presented national case studies on overcoming barriers to financing EE and RE projects.</p> <p>(e) The workshop was organised for decision makers, energy managers and potential investors of selected municipalities to share experience in implementation of energy efficiency projects in the Russian Federation. The representatives of Tomsk, Omsk, Novosibirsk, Altai regions and Altai Republic participated in this workshop.</p>

<p>(f) This publication was initially prepared in Russian and distributed among participants of the workshop in Toms. It is also being translated into English.</p> <p>(g) The initial venue of the Workshop and the Forum was Bishkek, Kyrgyzstan. However due to the political situation in the country the venue of event was changed to Astana, Kazakhstan. This event will be held on 28-30 September 2010.</p> <p>In the framework of this MoU ADEME conducted research and analysis of various sources of energy related data and information, made contribution to the preparation of the Investor Interest and Capacity Building Needs report and the Regional Analysis of Policy Reforms.</p>	<p>(f) The publication on Assessment of Potential and Best Alternatives for Investments in Implementing Inter Fuel Substitution in Selected Municipalities of the Federal District of Siberia, Russian Federation has been prepared.</p> <p>(g) The preparations for the Workshop on Investments in Energy Efficiency and Renewable Energy Projects as part of the International Energy Efficiency Forum are continuing in cooperation with ESCAP, UNEP and UNDP.</p> <p>(h) The MoU for a grant to the French Environment and Energy Management Agency (ADEME) for provision of advisory services on energy policy to UNECE secretariat and the participating countries is completed.</p>
<p>OBJECTIVE THREE: Promoting opportunities for banks and commercial companies to invest and support for the initiative to create an investment fund</p>	
<p>(a) After submission of the Status Report it was circulated to the project advisers for comments and later approved by the PMU for the first payment to the contractor.</p> <p>(b) The initial draft was presented in March 2010 upon submission of the Status Report and is being further developed by the Investment Fund Manager.</p> <p>(c) The LPA and PPM are subject to finalization at a later stage of the Investment Fund design and will be filled</p>	<p>(a) In accordance with the Contract and the Project Implementation Plan, Coning Asset Management Limited submitted the second progress and the first Status Report on Key Deliverable 4 (March 2010).</p> <p>(b) The first draft of Financing Facility Agreement (FFA) is reviewed and finalized to incorporate a fund, bank and development finance cooperation mechanism.</p> <p>(c) The Limited Partnership Agreement (LPA) and the Private Placement Memorandum (PPM) have been</p>

<p>drafted to the pre-launch stage.</p> <p>(d) A draft Heads of Terms were prepared and currently require investor comments and inputs.</p> <p>(e) The project identification form is improved for bankable projects. This form is now available in English and Russian.</p> <p>(f) The project developer profile is elaborated to describe the type of projects to be financed and the subjects who are of interest to the Fund in relation to the development of EE (energy efficiency) and RE (renewable energy) project proposals.</p> <p>(g) The Investment Fund Designer conducted visits to the following project countries: Belarus, Bulgaria, Russian Federation and Ukraine.</p>	<p>with exact data and information on the investor(s). The exact terms and provisions of LPA will require two-party negotiations and will be concluded in each specific case by the parties.</p> <p>(d) These terms include, <i>inter alia</i>, definitions of investment manager, introduction to the sponsor commitments, co-investment process, investment period, etc.</p> <p>(e) The form was elaborated for the project developer to provide brief description of the project, proposed investment and financing needs, outline financial plan, indicate summary of cashflow analysis as well as other information related to the specific project.</p> <p>(f) The definition of project developer includes the owners of existing renewable energy operators or facilities which require energy efficiency investments as well as those, who are setting out to acquire land, technology, plant and use their existing experience either to build a new facility or to refit and upgrade an existing facility.</p> <p>(g) The country visits generated significant interest and demand from international banks, their local branches and local banks. Besides banks, the local project developers expressed strong interest and demonstrated some already completed projects.</p>
<p>Second half –year (1 July – 31 December 2010)</p>	
<p>OBJECTIVE ONE: Identifying, developing investment projects and strengthening capacities of a network for the development of energy efficiency</p>	
<p>(a) In accordance with the Contract and the Project Implementation Plan, within the reporting period the</p>	<p>(a) Among the deliverables included in these reports are the finalization of content (in English and Russian/national</p>

<p>language of the country) for national web pages of the project website, transfer of the EB21 website to a new online platform, finalization of online trainings, preparation of project promotional materials, etc.</p> <p>(b) Currently contractor is working on updating relevant sections of the national web pages prepared and submitted by the NPIs (within the framework of new MOUs).</p> <p>(c) The library and gallery button links are inserted. The transfer to the permanent server is planned to be completed in early 2011.</p> <p>(d) The third issue of the newsletter concentrated on the outcomes of International Energy Efficiency Forum, results of the conference on "Sharing Experience in Implementation of Energy Efficiency Projects in the Russian Federation", provision of information on measurement and verification (M&V) process of the EB and RE projects as well as the progress in design and establishment of the Investment Fund.</p> <p>(e) This phase of the training component was finalized in July 2010 and provided knowledge on the use of communication platform, project website and ability to insert and edit information of the webpages dedicated to the project countries. Separate personal training sessions were conducted with Monitoring and Evaluation Advisers of the project.</p> <p>(f) The meeting discussed concrete steps to be taken for preparation of the consolidated list of standards/requirements for EB and RE project.</p>	<p>contractor EnEffect submitted six monthly reports.</p> <p>(b) The dedicated national web pages on the project regional website are prepared, established and filled with relevant content in English and Russian/national language of the participating country.</p> <p>(c) The transfer of the EB 21web site to a new online platform is in its closing stages. The site is uploaded on a test server and software checks are finalized.</p> <p>(d) The third issue of the project newsletter is prepared and printed before the 16th session of the Group of Experts in October 2010.</p> <p>(e) A series of training sessions on online communication was finalized with all representatives of the NPIs.</p> <p>(f) The meeting of the small Expert Group on Investment Project Development Standards was organized in Geneva during the 16th session of the Group of Experts</p>
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<p>in October 2010.</p> <p>(g) Memoranda of Understanding (MoUs) have been fully implemented between UNECE and the NPIs in all participating countries but Bosnia and Herzegovina.</p> <p>(h) During the reporting period the new Memoranda of Understanding (MOUs) are signed with NPIs in Belarus, Bulgaria, Croatia, Republic of Moldova, Russian Federation, Serbia, the former Yugoslav Republic of Macedonia and Ukraine.</p> <p>(i) The work on investment project pipeline is initiated in the framework of the new grants awarded to the NPIs.</p>	<p>(g) In the framework of these MoUs the NPIs provided energy efficiency related national data and information to be placed on the project website. The MOU with Bosnia and Herzegovina was signed in the late December 2009; the final report is expected from the NPI.</p> <p>(h) In the framework of these MOUs the NPIs will make necessary arrangements for organization of the trainings on development of the bankable EE and RE project proposals as well as update and maintain national project website. The MOUs with Albania and Kazakhstan were finalized in early 2011.</p> <p>(i) As part of the MoU assignments the NPIs, working in close cooperation with Investment Fund Designer contractor, prepare at least five investment project proposals. As the first step in preparation process the NPIs submitted the project pipeline summary consisting of at least 20 projects.</p>
<p>OBJECTIVE TWO: Institutional strengthening and strengthening energy efficiency and renewable energy policies</p>	
<p>(a) The International Energy Efficiency Forum was organized on 28-30 September 2010 in Astana, Kazakhstan. The main focus of the Forum was on ways and means of financing EE and RE investments. The Forum combined an assessment of EE and RE policy and legislative frameworks with the analysis of international best practices. The status and potential of EE and RE in various economic sectors (industry, fuel and energy, housing and communal services, public</p>	<p>(a) The Forum was held in parallel to the sixth Ministerial Conference on Environment and Development for Asia and the Pacific (MCED-6) and was organized jointly by the Government of Kazakhstan, UNECE, ESCAP, UNEP and UNDP. The geographical focus of the Forum was on countries of Central Asia and other countries of the Commonwealth of Independent States (CIS). However, the Forum had a global outreach as it offered opportunities to share experiences in overcoming</p>

<p>barriers to EE from other regions of the world. The Forum had two parallel workshops: Green Buildings Workshop and the Workshop on Investments in Energy Efficiency and Renewable Energy Projects.</p> <p>(b) The workshop participants emphasized that policy reforms to promote investment in EE and RE are directly connected with the potential for investments in EE and RE projects.</p> <p>(c) The seminar was an opportunity to look more closely at the current status of EE and RE policies in participating countries, at the key policy issues linked to reforms to promote EE and RE investments, and at the progress achieved recently. During the seminar the countries reported on implementation of recommendations indicated in the Regional Analysis of Policy Reforms to Promote EE and RE Investments.</p> <p>(d) The workshop will be organized as part of the second International Energy Efficiency Forum. The decision for organizing the second Forum is based on request of the delegates to make such Forum a regular event. The International Energy Efficiency Forum in Astana stimulated productive discussions on EE and RE issues and provided opportunity to cooperate between various organizations involved in the work on EE and RE to avoid duplication and finding areas for joint activities. The venue for the second Forum is to be determined.</p>	<p>buildings, agriculture, transport etc.) has also been reviewed.</p> <p>(b) Workshop on Investments in Energy Efficiency and Renewable Energy Projects was organized as part of the International Energy Efficiency Forum. Participants of the Workshop discussed policy reforms to promote investments in EE and RE with specific examples of achievements and remaining challenges in participating countries.</p> <p>(c) The Seminar on Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments was organized in Geneva in the framework of the 16th session of the Group of Experts on Energy Efficiency Investments for Climate Change Mitigation (20-22 October 2010)</p> <p>(d) The preparations for Workshop on Investments in Energy Efficiency and Renewable Energy Projects (as part of the second International Energy Efficiency Forum) have started in cooperation with ESCAP and UNDP.</p>
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<p>(e) Regional Adviser of the SED provided Policy Advisory Services on implementation and improvement of reforms to promote EE and RE investments in the selected participating countries.</p>	<p>(e) Regional Adviser provided consultations in Belarus, Kazakhstan and Ukraine with objective to promote development of EE and RE projects as well as promote and support interregional cooperation to overcome energy policy, regulatory, institutional and financial barriers. The special focus was made on the RE sector.</p>
<p>OBJECTIVE THREE: Promoting opportunities for banks and commercial companies to invest and support for the initiative to create an investment fund</p>	
<p>(a) In accordance with the Contract and the Project Implementation Plan, Conning Asset Management Limited made submission under the 2nd Purchase Order (September 2010) and the first draft submission under the 3rd Purchase Order (November 2010).</p> <p>(b) The lead investor letter has been signed with NBGI Private Equity Limited dated 6 July 2010</p> <p>(c) The Financing Coordination Agreement (FCA) has been redrafted and updated with relevant information</p> <p>(d) The Letter of Agreement (LoA) with UNECE has been prepared on the basis that the UNECE provides financial and operation support directly to the activities within the framework of the project.</p> <p>(e) The Limited Partnership Agreement (LPA) has been</p>	<p>(a) After submission of the deliverables under Purchase order 2, including monthly progress reports for the period July-October 2010, it was circulated to the Monitoring and Evaluation Advisers and project supporting institutions for comments and later approved by the PMU for the second payment to the contractor. The draft submission under the Third Purchase order was circulated in January 2011.</p> <p>(b) NBGI PE is committing the lesser of an initial minimum of 15 million Euros or up to 10% of the Initial Closing of the Fund and expressed its wish for being the Investment Manager of the Investment Fund.</p> <p>(c) The FCA has been redrafted, including on Item 5 indicating the role of the UNECE and introducing a Letter of Agreement (LoA) with UNECE.</p> <p>(d) LoA is currently a confidential document until it has been finalized.</p> <p>(e) LPA, as a non-specific document, needs to have a wide</p>

Evaluation of the current status of project implementation

The evaluation of the current status of project implementation in 2010 was made by Mr. Glen Skovholt, Monitoring and Evaluation Adviser for the United Nations Foundation (UNF) and Mr. Jacques Ligot, Monitoring and Evaluation Adviser for Fonds Français pour l'Environnement Mondial (FFEM).

Mr. Glen Skovholt in his evaluation report underlined the significant progress made in the course of 2010 in all areas, emphasized importance of the conducted International Energy Efficiency Forum in Astana and Seminar on Policy Reforms to Promote Energy

<p>Further developed, including the information on candidate investment manager.</p> <p>(f) The inputs from the potential lead investor were introduced to the summary of Principal Terms of Mezzanine and Equity Fund.</p> <p>(g) The more detailed and relevant information on similar funds and facilities has been prepared in the light of visits to the participating countries.</p> <p>(h) The answers to questions raised by the project participants (including NPIs, project supporting institutions and Monitoring and Evaluation Advisers) are prepared by the contractor</p>	<p>range of clauses expanded and agreed. This work is to be undertaken when key elements will be in place, including the identity of the Investment manager, the composition of the General Partner, the location of the Fund and the location and nature of the investors.</p> <p>(f) These terms include, <i>inter alia</i>, definitions of investment manager, description of the types of projects to be financed, introduction to the sponsor commitments, co-investment process, investment period, etc.</p> <p>(g) The key reason for preparing such information is to analyse whether the market-based finance of energy efficiency (EB) and renewable energy (RE) projects (on market terms and conditions at market rates) is new or familiar to most of the markets in the participating countries.</p> <p>(h) These answers include explanations on the following items: contractual obligations and work process of the Conning Asset Management Limited, the fee structure of investment fund, benefits from establishment of the Financing Coordination Agreement (FCA), the role of Conning in functioning of the FCA and others.</p>
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Efficiency and Renewable Energy Investments in Geneva, provided comments on the progress made by the contractor on the Investment Fund Design and progress in development of a project regional website and Internet communications. However, Mr. Skovholt mentioned that some project activities remain behind the schedule because of the delay in receiving the second and third disbursements of funds by the supporting institutions in 2009 and 2010 respectively.

At the request of the Fonds Français pour l'Environnement Mondial (FFEM), Mr Jacquelin Ligot has prepared and submitted the report to the FFEM, which was also sent to other supporting institutions. The report was not issued as the UN document.

Communicating results:

During the course of 2010 the project has been presented at several international seminars, workshops and conferences, including:

- Energy Community Investment Conference on Energy Efficiency and Renewable Energy (Energy Community Secretariat), Vienna, Austria, 18 March 2010;
- Conference on "Sharing Experience in Implementation of Energy Efficiency Projects in the Russian Federation", Tomsk, Russia federation, 16 June 2010;
- Third workshop of the "Developing GHG reduction projects in the district heating sector in BiH" programme (Norsk Energi), Zenica, Bosnia and Herzegovina, 23 June 2010;
- International Energy Efficiency Forum (UNECE, UNDP, ESCAP, UNEP), Astana, Kazakhstan, 28-30 September 2010;
- The Third International Conference: "Energy of the XXI century: economy, policy, ecology", Saint-Petersburg, Russian Federation, 14-5 October 2010
- Europe's Leading Conference for Energy Service and Energy Management Professionals, Lisbon, Portugal, 3-4 November 2010;
- International Investment Business Forum on Energy Efficiency and Alternative Energy (National Agency of Ukraine on Efficient Use of Energy Resources), Kyiv, Ukraine, 9-12 November 2010.

Valuable contacts have been established during these events and led to continuous cooperation with other international organizations.

The results of the project implementation were also presented at the following UNECE meetings in Geneva:

- Group of Experts on Energy Efficiency Investments for Climate Change Mitigation at its 15th (April 2010) and 16th (October 2010) sessions;
- Steering Committee of the Energy Efficiency 21 Project at its 21th session (April 2010);
- Committee on Housing and Land Management (21 September 2010);
- Timber Committee (11 October 2010);
- Committee on Sustainable Energy at its 19th session (November 2010).

Forthcoming Annual Work Plan:

The Work Plan for the Fourth Year of Project Operations (2011) is attached. It provides an overview of major objectives, planned activities and outputs, work methods, role of each project participant as well as budget and timing.

Electronically attached documents:

Please find attached the following documents:

- Work Plan for the Fourth Year of Project Operations (2011);
- Report of the Monitoring and Evaluation Adviser on Financing Energy Efficiency Investments for Climate Change Mitigation Project for the Second Year of Project Operations (2010);
- The second issue of the Project Newsletter;
- The third issue of the Project Newsletter.

The Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments report is available on the UNECE SED website: (<http://unece.org/energy/se/eneff/c.html>) and on the FEI project regional website (http://www.fei.info/eng/Policies/Final_report)

The Executive Summary of the Regional Analysis findings is available online in English and Russian: http://www.fei.info/eng/Policies/Final_report

Project Manager

Name: Oleg Dziuoubski

Date: 8 March 2011

Signature: _____



Signature: _____

Chief of Sustainable Energy Section, SED UNECE

Name: Alexandre Chachine

Date: 8 March 2011

