Barents Euro-Arctic Energy Working Group

Workshop: "Energy Efficiency and Renewables; Possibilities and Challenges for Russian Municipalities"

Arkhangelsk 23 September 2009

Background

The industrial base and the local economy in the Russian Federation have during the last years developed and grown significantly. The financial stability of local private industries has made the later more financially independent and able to invest their own equity in small and medium scale energy efficiency or renewable energy projects. It has also made them much more attractive clients for Russian commercial banks and IFIs.

The strengthening of the industrial base and the resulting finances available for investment in energy efficiency and renewable energy projects has not been reflected in the municipal sector, where funding, or the lack of it, is still a barrier to project implementation.

In most Russian cities and municipalities, there is a significant potential for increased energy efficiency in municipal buildings such as schools, hospitals, kindergartens, offices, apartment buildings, etc. Furthermore, the energy costs constitute a substantial part of the Municipal budget.

Profitable economic savings can also be achieved by introducing renewables at boiler plants in district heating systems, and by renovating the heating systems and adopting present day solutions and technologies. Reducing the energy consumption and increasing utilisation of renewables will also reduce the emissions to the air from district heating systems. This can also have a significant impact on stabilizing energy tariffs for the local population, preventing energy poverty and improving local energy security.

Through a number of international programmes in Russia, it has been confirmed that there are several barriers preventing the development and implementation of energy efficiency programmes in Municipalities. Examples are the subsidised energy tariff structure, lack of metering and lack of mechanisms allowing savings from energy efficiency investments to be used to repay loans, or to be reinvested in new projects through for instance Municipal Revolving Funds. These barriers are normally connected to legislation and policy.

Another barrier is lack of local awareness, capacities and skills within the Municipalities – about possibilities and benefits of energy efficiency and renewables and how to develop, finance, implement and operate new projects. The capacities and skills on how to develop a medium and long-term strategy with corresponding short-term action plans for energy efficiency and introduction of renewables in the Municipal sector is also limited in most municipalities.

Workshop

The above provides the rational why the Barents Euro-Arctic Energy Working Group is organising this Workshop in Arkhangelsk on **"Energy Efficiency and Renewables; Possibilities and Challenges for Russian Municipalities"**, focusing on the practical possibilities and results already achieved in the region.

Target Group

The main target group for the Workshop is decision makers in Russian municipalities in Northwest Russia, local energy experts, consultants and project developers and representatives of banks and financial institutions that can provide financing for local projects on energy efficiency and renewable energy.

Draft **Workshop Agenda**

09.00 Registration at Hotel Pur-Navolok

Part 1, Chairman: Johan Vetlesen, Co-chair of the BEAC Energy Working Group

Time	Title	Presentation by
10.00	Welcome/opening addresses	Vereschagin A.F., Arkhangelsk region Administration Johan Vetlesen, Norwegian Ministry of Petroleum and Energy
10.10	Nordic co-operation on Renewables and Energy Efficiency	Jørgen Calundann, Chief Consultant, Danish Energy Agency
10.30	Federal policy, priorities and requirements to energy efficiency and renewables in Russian municipalities	xxx, Ministry of Energy
10.50	Energy efficiency and renewables in Arkhangelsk, today's situation and future plans	Trubin Yu. G. Deputy Head of Forestry Department of Arkhangelsk region Administration
11.10	Energy Efficiency and Renewables in North-West Russia; results and lessons learned from long term Russian – Norwegian cooperation	Trond Dahlsveen, ENSI – Energy Saving International
11.30	*Coffee break*	
11.50	Municipal Energy Efficiency Planning – an efficient tool for sustainable development in municipalities	Victor Kotomkin, ENSI – Energy Saving International
12.10	Financing of municipal projects, what can be offered by NEFCO	Elisabet Paulig-Tönnes / Vitaly Artyushchenko, Senior Manager, NEFCO
12.25	Financing of municipal projects, what can be offered by EBRD	EBRD
12.40	Financing of EE and Renewables projects, what can be offered by IFC EE Program	Maxim Titov, IFC - International Finance Corporation
13.00	Lunch	

Part 2, Chairman: Anatoly Lukin, Co-chair of the BEAC Energy Working Group

Project examples (**)

Time	Title	Presentation by
14.00	Carbon financing in the municipal sector: now and after Copenhagen	François Sammut, Senior Advisor, Econ Pöyry AS
14.15	How to reduce the energy consumption in existing buildings	Tore Wigenstad, Dr.eng, SINTEF Trondheim
14.30	Reconstruction of the boiler room at the Central district hospital and construction of heating networks in the town of Onega	Tamara Kononova, Chief Engineer, Arkhangelsk Regional Energy Efficiecny Center
14.45	Finding investments and implementation of energy efficient projects in social sector in Arkhangelsk region	Anna Kulikovskaya, Technical Director, Arkhangelsk Regional Energy Efficiency Center
15.00	Energy efficiency in Segezha Municipality	Yuri M. Ancifirov, Deputy Major, Segezha Municipality
15.15	*Coffee break*	
15.45	Energy Efficiency in Kirovsk Kindergarten – 10 years after	Yuri Zelenkov, Kola Energy Efficiency Centre
16.00	Establishment of Renewable Energy Module Concept in the North-West of Russia	Magnus Gustafsson, Associate Professor Dr.Phil.
16.15	Complex modernization of heating systems in social sector in the town of Kotlas of Arkhangelsk region	Tamara Kononova, Chief Engineer, Arkhangelsk Regional Energy Efficiecny Center
16.30	Energy Efficiency and passive-houses in Tromsø. New technology implemented in the North.	Odd Carl Steinsvik, Architect, Steinsvik Architects, Tromsø
	Summary and Conclusions	Architect

(**) Implemented energy efficiency and renewable energy projects in Russian Municipalities; short description, financial scheme, results and lessons learned