
TAJIKISTAN: CAPACITY BUILDING TO STRENGTHEN THE CLIMATE RESILIENCE OF ENERGY SECTOR ASSETS AND INVESTMENTS

NEWSLETTER-I
January-July 2016

In this issue:

- **Introduction to EBRD's capacity building project in Tajikistan's energy sector**
- **1st Mission to Tajikistan to meet with stakeholders and solicit input into the training program before finalizing**
- **1st training program in Tajikistan – March 2016**
- **Upcoming study tour in late September 2016 to Canada to expose Barki Tojik and Tajik Hydromet personnel to measures and technology adopted by Hydro Quebec, a major international power utility, in collaboration with Ouranos a research consortium based in Montreal, Quebec, in their attempts to achieve a more climate resilient power system.**
- **Survey program to be conducted in Sugdh Province, targeting households and businesses separately, exploring gender differences in energy use and impacts of climate vulnerability.**

BACKGROUND

This activity has been launched by the European Bank for Reconstruction & Development (EBRD) as part of a major programme of investment in the modernisation of the Tajik energy sector, co-financed by the Climate Investment Funds' Pilot Programme for Climate Resilience (PPCR) and the Green Climate Fund (GCF).

The consultancy contract to implement the project, with a duration of 24 months, was awarded to MWH of Denver, Colorado and signed in December 2015. The consultant's team comprises experts from MWH, a consultant with international expertise in hydropower and water infrastructure projects, Acclimatise of the UK, a firm specialising in climate change issues, Ouranos, a consortium based in Montreal, Canada specialising in research of climate change issues and Hydro Quebec, a major power utility in Canada. The objective of the "Capacity Building Program to Strengthen the Climate Resilience of Energy Sector Assets & Investments" (the CBP) is to build the capacity of the state utility Barki Tojik together with the state hydro-meteorology agency Tajik Hydromet (TH) and other relevant institutions to be more cognizant of the effects of climate change and to be better equipped to manage the resulting effects of this on water resources and power generation.

Mission to Tajikistan-March 2016

The 1st mission to Tajikistan took place from 14th March and 18th March 2016. The key members of the CBP team attended this 1st mission together with Craig Davies, the EBRD Head of Climate Change Adaptation and Operations Leader for the CBP and Jamshed Rahmonbediev, Principal Banker from the EBRD Resident Office in Dushanbe.

During this week meetings and workshops were held with Barki Tojik and Tajik Hydromet to present the implementation plan and solicit

feedback on the training program. Meetings were also held with the ADB, WB and various other stakeholders to gain an understanding of what related projects had been recently undertaken or were currently underway to identify synergies and to avoid duplication of effort. As part of this mission a visit was made to the Nurek Hydroelectric Project.

Training Programs in Tajikistan

The first of a series of training programs to be held in Tajikistan under the CRB is planned for the week of August 22 2016, when Professor Rob Wilby of Loughborough University in the UK (an Acclimatise Associate), the team's Senior Hydrology Expert and Richenda Connell (Acclimatise) the team's Climate Change Expert will run training sessions on two topics:

- ***Quality Assurance on Hydro Meteorological and Reservoir Data***
- ***Accessing and Applying Open Source Hydro Meteorological Data***

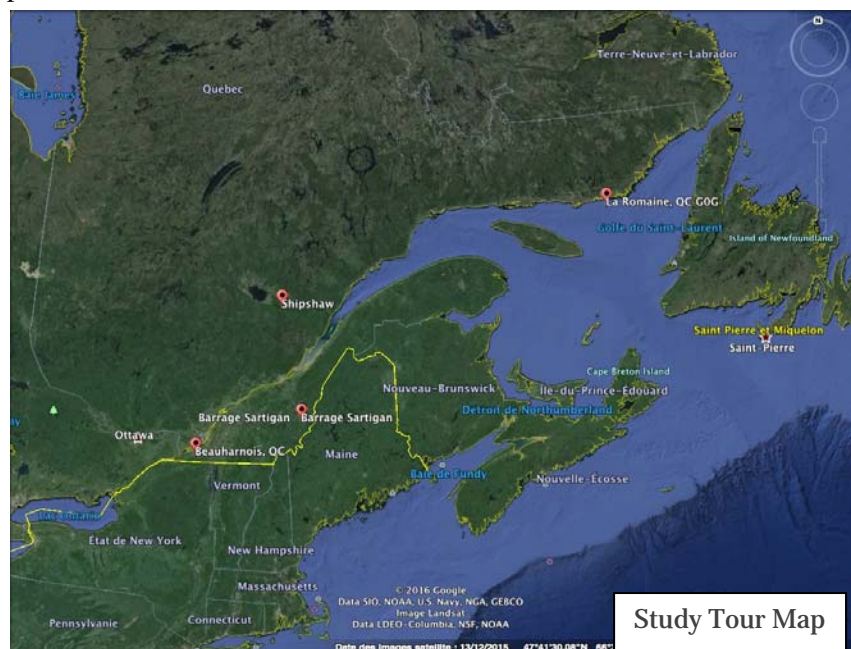
Experts from Barki Tojik, Tajik Hydromet and the Ministry of Energy and Water Resources will undertake this training.

Study Tour to Canada

In late September 2016 a study tour to Canada is being arranged for Barki Tojik and Tajik Hydromet personnel where training sessions in dam safety and climate change topics will be combined with visits to various water resource installations owned by Hydro Quebec, the Quebec Government and Rio Tinto, a large international mining company.

Survey Program Sughd Province

Tajikistan faces serious problems of energy security, thus compromising the quality of life for millions of people. The total dependence on hydropower resources in a pending situation of climate change will



exacerbate the present situation unless action is taken to identify and implement measures to make the power system more robust.

A survey will be carried out in Sughd Province to gain an understanding of energy use with a focus on the impacts of climate vulnerability and gender difference. Rural and urban areas will be explored and analyzed separately.



The survey will be conducted with pre-formulated questionnaires covering the following topics:

- The level of awareness of energy security, both among households and businesses, testing differences between men and women, in rural and urban areas;
- Behaviour of energy use in household environment and within small enterprises;
- Gendered patterns of use of household energy (who uses energy for what purposes, where, when, and what type of energy) and energy consumption in business.
- Impacts of climate vulnerability for businesses and households. Consciousness about climate change and energy security issues in Tajikistan;
- Quality of electricity service distribution by Barki Tojik;
- Transparency in the billing system;
- Affordability of electric tariffs;
- Readiness to adopt energy efficiency measures