

ARMENIA SMALL MUNICIPALITIES WATER PROJECT DUE DILIGENCE SERVICES



Country Republic of Armenia
Client EBRD / COWI Lithuania/COWI A/S
Duration August – November 2010

Brief description of project and services provided

For 21 residential areas of 7 marzes of Armenia covered by the project study of current condition of W&W systems was done.

Field studies, studies of technical condition of all elements of the systems, flow measurements and other works were done.

The works were carried out for all elements from headwork structures

to end-user (water intakes, water mains, pressure reducing chambers, distribution nodes, storage reservoirs, pump stations, treatment plants, chlorination stations, water metering nodes, distribution network, street taps, etc.).

By means of MapInfo geographic information software technological scheme-maps of all external water supply systems of the studied 22 settlements were compiled and digital data base was prepared.

As a result of the studies all of the existing problems in the W&W systems were identified and investment evaluation of improvement measures was done.

Because of the limited fund, the required works were prioritized and investment evaluation was done for the first priority works.

During the project environmental studies were done and operation safety study of “Armenian Water and Sewerage” CJSC branches was carried out.

The financial internal rate of return FIRR and the financial net present value FNPV and the main elements for reducing the costs were determined, a financial projection and financial model was compiled and analysis of affordability was made.

Project objective:

Studying and identifying the current condition of W&W systems and implementing investment evaluation of the improvement measures.

