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PILOT PROJECT BULLETIN

CEEP COMPLETED HEAT SUPPLY PROJECT IN SEVAN

In May 2008, Commercialization of Energy Efficiency Program (CEEP) completed heating system rehabilitation project in the Kindergarten #2 in Sevan, Gegharkunik region of Armenia. The major portion (61%) of the project funding has been provided by USAID under the CEEP, while the remaining part (39%) has been contributed by Sevan Municipality.


CEEP specialists inspect the boiler

The project is in the list of socially-oriented energy efficiency initiatives undertaken by the CEEP program team to rehabilitate heating infrastructure in selected medical, educational and other institutions of social importance. Since the overwhelming share of resources including business activity, government and international support is mostly centered in Yerevan, regions have limited opportunities for development, therefore this type of assistance gains even more importance for the regional institutions.

The children's play room


The Kindergarten #2 provides day care services to 130 children. It occupies a two story stone building with the total heated area of 1115 m^2. Its windows and doors are in good shape and properly insulated, therefore didn't require additional work. Lacking regular gas heating, the kindergarten's administration used electric heaters in selected premised whereas corridors and most of the rooms remained cold. This misbalance in heat distribution can negatively affect the structural condition of the building, specialists say. Gegharkunik is a relatively colder region and quality heat supply is an urgent issue there.

Pilot Project Information:

- USAID Contractor: AEAI Armenia
- Date: November 2007 - May 2008
- Site: Kindergarten #2 in Sevan

Following activities have been carried out in this project:

- New boiler house was built and equipped with two high efficiency boilers (88 kW+ 88 kW), circulation and feed pumps and all the other necessary equipment.
- New gas line was built from the main line to the boiler house
- Internal heating system was totally renovated. There are regulating valves installed on radiators.

Radiators mounted in the corridor


The annual energy cost savings at this site have been estimated to 8200 USD due to fuel switching from electricity to natural gas while the annual energy savings at source will be 500.9 MWh.