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Commercialization of Energy Efficiency Program in Armenia
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PILOT PROJECT BULLETIN

CEEP PROVIDED HEATING TO YEREVAN KINDERGARTEN #7

The occupants of the Kindergarten # 7 located in Nor Nork community of Yerevan received a good gift on New Year and Christmas holidays. The new heating system was constructed for the kindergarten and launched in the end of December 2007. The major funding for the project has been provided by USAID (60%) and the remaining part (40%) was invested by the Nor Nork community administration.


Kids enjoying warm conditions

In September 2007, the USAID-funded CEEP (Commercialization of Energy Efficiency Pilot Projects) started the implementation of a portfolio of pilot projects which are called socially-orented. CEEP is committed to target a portion of USAID's assistance to the implementation of energy efficiency projects in medical, educational and other institutions of high social importance.


A photo of other beneficiaries

As it has been mentioned the kindergarten is situated in Nor Nork community of Yerevan. It occupies a two-story stone building. The kindergarten hasn't had centralized heating for the last 15 years and used electricity to heat rooms. As a result, corridors and most of the rooms were not properly heated which resulted in low attendance level of the children during cold period. Besides, the exploitation of the building without proper heating negatively affects its technical state.

Pilot Project Information:

- USAID Contractor: AEAI Armenia
- Date: September - December 2007
- Site: Kindergarten #7, Yerevan

The following activities have been accomplished during the implementation of this project:
- New boiler house was built and equipped with two high efficiency boilers and other auxiliary equipment;
- New gas line was built from the main line to the boiler house;
- The entire external and internal heating network was renovated, and regulating valves were mounted on radiators for occupants to control the room temperature.

The techno-economic analysis was conducted to identify the economic feasibility of the project. Particularly, it was found that the project is beneficial from the economic point of view. The on-site energy savings due to the fuel switching from electricity to natural gas were estimated to 25000 kWh, and annual energy cost savings would be about 9000 US dollars. Besides the comfort level provided by natural gas heating is incomparable to that of electricity. The project will certainly contribute to better functioning of the kindergarten in winter and will help to protect children's health through better conditions.

New boilers installed in the kindergarten