



Energy Efficiency of the Cultural Center in Bihać

Prior to the pilot project implementation, the three Cultural Center buildings were only partially heated using individual electric heaters. It was also not energy efficient by today's standards, as the roof and façade were not insulated and most of the windows were in poor condition, causing high heat loss. Following the implementation of energy efficient measures, the heating quality will be vastly improved and heating costs will be significantly reduced for the buildings of the Cultural Center: the Museum of the Anti-Fascist Council of the Peoples' Liberation of Yugoslavia (AVNOJ), Art School, and the Institute for Protection of the Cultural Heritage. The measures are: the installation of the biomass (pellet) heating system, replacement of doors and windows, thermal insulation of the façade and roof and the implementation of a system for monitoring energy consumption. Now, for the first time, a normal working environment will exist for all the institutions during the winter.

Facts:



Cultural Center



AVNOJ Museum

Overall project value	580,000 BAM
USAID 3E Contribution	114,000 BAM
UN Programme Environment and Climate Change (funded by the Government of Kingdom of Spain)	266,000 BAM
Una-Sana Canton	100,000 BAM
Bihać Municipality	100,000 BAM



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Art School and Institute



Boiler room

New windows

Expected results:

- Up to 70% reduction in annual heating costs
- 38% improvement in the energy characteristics of the Cultural Center buildings and the shared heating system (using biomass as a fuel)
- CO2 emissions reduced by 114 t/year
- Raising the level of citizens' awareness and knowledge of the opportunities and benefits of energy efficiency measures.

The centerpiece of the USAID Enterprise Energy Efficiency (3E) Project is the implementation of 17 Pilot Projects throughout Bosnia and Herzegovina. Mature and proven energy efficiency technologies that can be implemented in BiH with payback periods of less than five years are being used. The consumer recovers the savings in lower bills for heating, electricity and water and continues to reap the benefits after payback. For the implementation of these pilot projects, local companies will be used to carry out the works, which also helps establish new jobs in energy efficiency. USAID 3E will also hold trainings and seminars on energy efficiency in the region of the pilot projects.

The USAID Enterprise Energy Efficiency (3E) Project is a USD 4.2 million program for the promotion of Energy Efficiency technologies through the development of pilot projects in buildings that are co-financed by the public and private sector. USAID 3E is working on increasing the capacity building of municipal partners from the public sector as well from the small and medium enterprises. The project also works on increasing the public awareness about the benefits of energy efficiency. To date, the US Government has secured close to USD 1.6 billion for the support of the economic, democratic and social progress of Bosnia and Herzegovina.

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