

**UNITED STATES AGENCY FOR INTERNATIONAL
DEVELOPMENT**

Enterprise Energy Efficiency (3E) Project

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TUZLA PP PRIMARY SCHOOL PAZAR FACT SHEET

Author: 3E Project Team

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Implemented by:
Advanced Engineering Associates International, Inc. (AEAI)



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BOSNIA-HERZEGOVINA

Energy Efficiency project in Primary School Pazar in Tuzla

The reconstruction of Pazar Primary School project in Tuzla, implemented by USAID 3E demonstrates the energy and money-saving potential of energy efficiency to BiH citizens, as part of the U.S. government's commitment to addressing climate change.

The Pazar Elementary School was constructed in 1937 and is located near the Tuzla Center. The school is attended by 400 pupils and has 36 employees. The windows were in poor condition, heating system was maintained poorly; and the building was connected to the remote heating system in an obsolete, energy inefficient heating substation. The project was paid for by a joint investment of the USAID 3E project and the Tuzla Municipality for a total of more than 160,000 KM, while UNDP BiH enabled the use of the Energy Management Information System (EMIS) software for energy management.

Implemented energy efficiency measures:

- reconstruction of the heating system
- installation of a new compact heating substation
- replacement of windows
- installation of a system for remote reading of energy consumption

Old windows at Pazar Elementary School



New windows at Pazar Elementary School



New heating substation

The remote energy consumption monitoring system will help identify cases of excessive energy consumption and allow timely investigation and removal of its causes. The measures have also helped to transform the school's curriculum to include educational seminars and workshops for pupils on energy efficiency. Other benefits of this project include the reduction of CO² emissions and the reduction of the usage of coal used in the Thermal Power

Plant Tuzla, which supplies the district heating network.

Overall Pilot Project value	USD 120,949
Contributions:	
USAID 3E	USD 75,106
Municipality Tuzla	USD 45,843

The local economy will be stimulated in the future by energy efficiency projects, as local companies will be employed for implementation of the projects. Based on the excellent results achieved at the Pazar Elementary School, it is anticipated that local governments will be further motivated to financially support additional projects in the future.



Mr. Allan Reed, USAID BiH Mission Director, at the opening of the Pazar School Pilot Project in Tuzla, May 15, 2012.

Expected results:

- **Reduction in energy consumption for 30%**
- **Reduction of CO₂ emissions for 40t CO₂/per year**
- **Raising awareness** of citizens on the benefits of energy efficiency measures

The lynchpin 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 to establish new jobs.

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 U.S. Government, primarily through USAID, has provided almost \$1.6 billion in assistance to support economic, democratic and social progress in BiH.