

REMOVING BARRIERS TO PROMOTE AND SUPPORT ENERGY MANAGEMENT SYSTEMS IN MUNICIPALITIES THROUGHOUT SERBIA

PROFILE

Donors: Global Environment Facility (GEF), UNDP;

Co-financing: Government of Serbia's Ministry of Mining and Energy, participating Serbian municipalities, Serbian Chamber of Commerce and Industry, Japan International Cooperation Agency (JICA) and German Development Bank (KfW)

Funding: \$2.3 mil. (GEF), \$200,000 (UNDP)

Main Partner: Ministry of Mining and Energy

GOAL

To improve energy and cost efficiency of public buildings and municipal services, as well as increase the investments in energy efficiency of public facilities.

CONTEXT

In line with the National Energy Efficiency Action Plan and EU Directive on energy efficiency, Serbia is committed to reach national indicative energy savings target of 9 %, in the period between 2010 and 2018. According to the Law on Efficient Use of Energy, municipalities with 20,000 citizens or more (85 in total) must appoint energy managers, adopt energy efficiency plans and programs, implement energy efficiency measures and achieve the targets for energy savings.



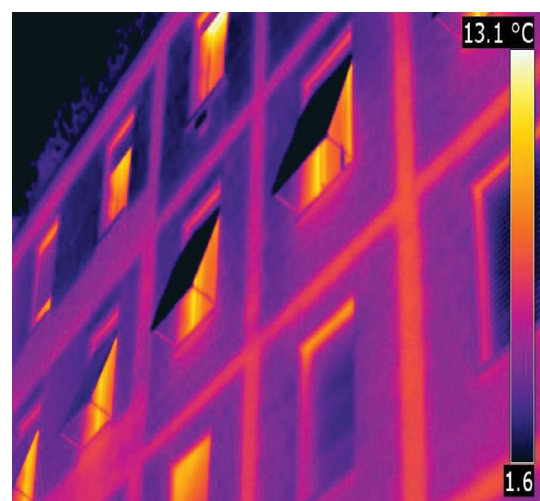
INNOVATIVE FINANCING MODEL

The Project blended donor funds, the Republic of Serbia budget funds for energy efficiency and municipal resources.

FOCUS

- Improvement of legal and institutional framework for energy management in municipalities;
- Raising awareness on necessity and benefits of energy efficiency for local governments;
- Establishment of local offices for support to energy management, and introduction of software for continuous monitoring, analysis and reporting on the energy and water consumption (EMIS) in public buildings and facilities in 30 targeted municipalities;
- Implementation of energy efficiency improvements on 13 demonstration sites (public buildings in 13 municipalities);
- Training municipal technicians to acquire the required knowledge and skills to deal with energy management at the local level, to pass an exam and obtain a license for municipal Energy Manager;
- Training of EMIS end users on how to use the software, enter and interpret data on energy/water consumption and related costs for public buildings under their jurisdiction.

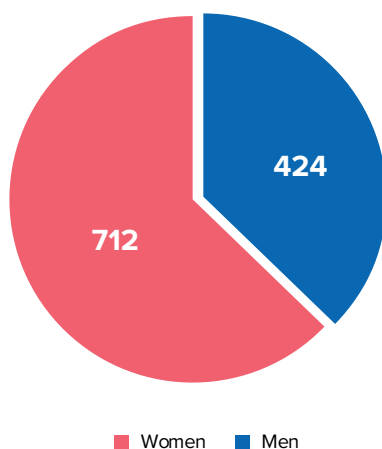
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RESULTS TO DATE

- ✓ Government of Serbia recognized the value of UNDP-developed EMIS and included it as a mandatory tool within the official Energy Management System of the Republic of Serbia;
- ✓ UNDP-drafted public decrees and rulebooks governing municipal energy efficiency adopted by the Government;
- ✓ 80% of all local governments in Serbia signed the Municipal energy charter, committing to improve their energy and efficiency, and increase investments in this area;
- ✓ Local energy management offices established and EMIS introduced in 55 municipalities;
- ✓ 125 municipal technicians acquired the know-how on the energy management at the local level; 121 passed an exam, while 113 participants obtained a license for Municipal Energy Manager;
- ✓ 51 participants gained knowledge needed for managing energy efficiency of large public buildings; 52 passed an exam, while 48 obtained a license;
- ✓ Trainings for EMIS end users were attended by 1136 persons.

Persons who have attended the training for EMIS end users (by gender)

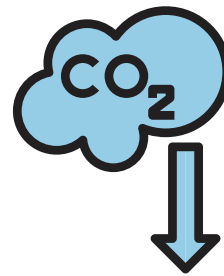


IMPACT OF 13 DEMONSTRATION SITE IMPROVEMENTS



Estimated energy savings

2
million
kWh/year



Estimated CO₂ emission reduction

1500
tons annually

Contributing to Sustainable Development Goal:

7 AFFORDABLE AND CLEAN ENERGY



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