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Department "Municipal Energy Manager" - The Bulgarian
experience of Municipality of SAPAREVA BANYA

ENG. EVELINA NESHEVA – Member of the Energy Team of the department "Municipal Energy Manager"

ENG. SILVIYA NEDYALKOVA – Member of the Energy Team of the department "Municipal Energy Manager"

ILKO GELEV – Member of the Energy Team of the department "Municipal Energy Manager"

MUNICIPALITY OF SAPAREVA BANYA



Sapareva Banya is a city in southwestern Bulgaria, the administrative center of Sapareva Banya municipality is in Kyustendil district. Its population is about 4 thousand people. It is located on the northern slopes of Rila, 15 km from Dupnitsa. The town is famous for its hot mineral water. The city is located 75 km southwest of the city of Sofia and 56 km from the regional center Kyustendil. Near the municipality of Sapareva Banya passes one of the main road arteries in the country - international road E79, part of the international transport corridor No. 4. There are hot mineral springs in Sapareva Banya. The only geyser-fountain in Bulgaria and continental Europe is located here-103 Celsius degree. The natural resources, climate and location of the municipality are a prerequisite for the good development of balneotherapy, ecological and rural tourism.

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Objectives of the department "Municipal Energy Manager" (OEM)

- The goal of municipal energy management is to design all internal administrative processes in such a way that energy consumption in all municipal facilities is permanently minimized
- To cover as many municipal buildings as possible in order to optimize energy consumption
- Identifying inefficient energy consumption - offering energy efficiency measures
- Searching for opportunities for/offering more profitable energy contracts/new energy sources/RES Energy survey of municipal buildings and development of projects to increase energy efficiency
- Energy management in municipal buildings
- Reduction of fuel and energy consumption
- Reduction of budgetary costs for energy
- Reduction of environmental pollution - reduction of harmful emissions in the atmosphere
- Improving the quality of energy services
- Construction/renovation of infrastructure - geothermal plant
- Preventive maintenance of street lighting systems and facilities and implementation of measures to increase energy efficiency



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■ Organizational structure of the Department "Municipal Energy Manager" (OEM)

- The energy management team in Sapareva banya Municipality consists of three members:
 - ❖ Eng. Evelina Nesheva – chief expert "Energy manager and resource management“;
 - ❖ Eng. Silviya Nedyalkova – chief expert "Programs and projects“
 - ❖ Ilko Gelev - expert "Systems maintenance".

In connection with our participation in the project, the structure of the municipality of Sapareva Banya was changed and a new position of chief expert "energy manager and resource management" was created, which is held by Eng. Evelina Nesheva. When we need to comment a question related to the performance of the team's duties, the Energy Manager holds an on-site meeting with the Mayor of Sapareva Banya Municipality directly. Conversations and comments are between the two of them. The decisions taken by the mayor, in connection with the implementation of the activities as a municipal energy manager team are commented and distributed among us as a team, by gathering together and distributing the tasks.

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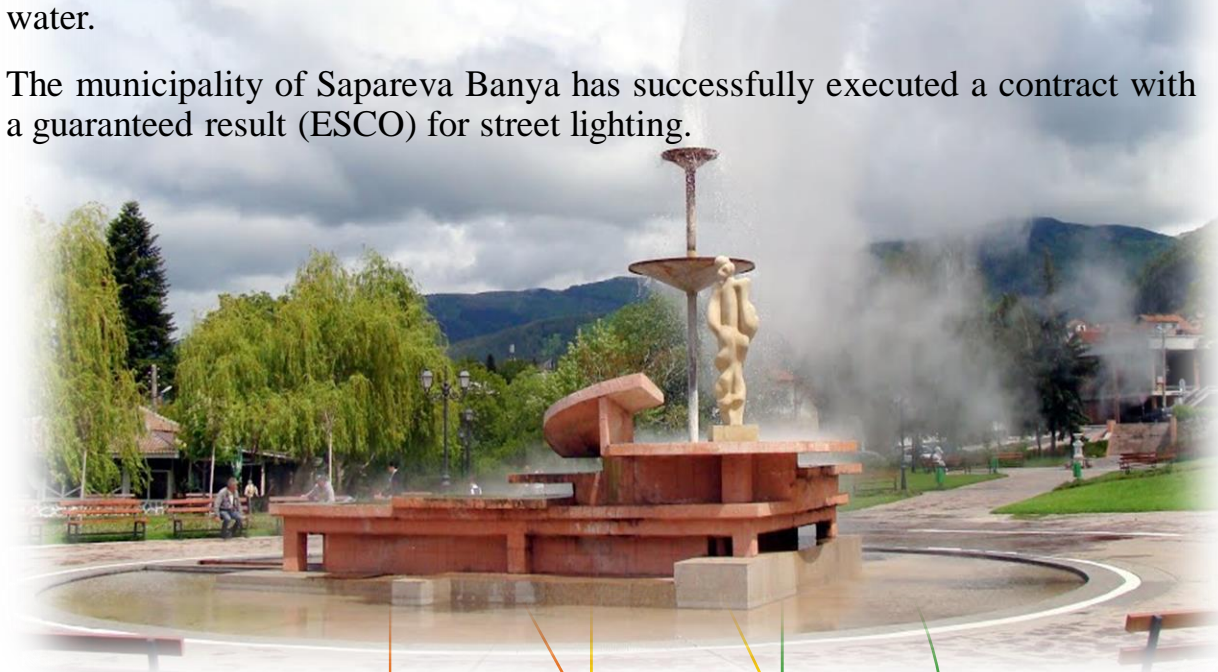


MUNICIPALITY OF SAPAREVA BANYA



■ Scope of the the Municipal energy manager team service

- Now the scope of our Municipal energy manager team department in the Municipality of Sapareva Banya is focused on the municipal buildings and street lighting in the populated areas of the municipality. Subsequently, this scope will be expanded with the inclusion of the public service buildings from the private sector.
- It is important to note that on the territory of the municipality of Sapareva Banya there is an energy source through which the municipality is a user of clean energy - geothermal energy for public municipal buildings - mineral water.
- The municipality of Sapareva Banya has successfully executed a contract with a guaranteed result (ESCO) for street lighting.



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■ Team Functions and Duties

■ The Municipal energy manager team of the municipality of Sapareva Banya duties are:

- ➡ collecting data from the municipality and other departments
- ➡ making on-site inspections
- ➡ filling and summarizing the necessary data by using a specialized software

Right now we are currently collecting data, the analysis of which will be done after its complete generation. The data is received electronically and on paper from other units of the municipality, school and kindergarten.

- Additional responsibilities of the experts in Sapareva banya Municipality:
- Eng. Evelina Nesheva is responsible for all administrative activities related to issuing permits for water abstraction from mineral water and all subsequent activities regarding use, control and payment;
- Eng. Silviya Nedyalkova is responsible for development and implementation of projects financed by the EU and other sources;
- Ilko Gelev is responsible for the technical support of the entire geothermal system for heating the municipal buildings and repairing and maintenance of the mineral water facilities.
- Our team actively participates in campaigns and projects related to energy efficiency management.

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■ What challenges (difficulties) do they face?

■ The lack of availability of additional financial resources for:



technical support



organizing different campaigns



team trainings



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- **Personal motivation for working in the The Municipal energy manager team Department?**
- A small part of the buildings in our Municipality have an energy certificates and technical passports, and for some of them we have not carried out any energy efficiency activities. The personal motivation of our team is to prepare energy efficiency survey certificates with technical passports for all the municipal buildings. This documentation will help us to apply with project proposals for building renovations and implementation of energy efficient measures.



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What does the Office/experts need to be effective?

- Specialized trainings;
- Periodic exchange of experience with other municipalities (in Bulgaria / Europe);
- Technical resources;
- Financial resources;
- Other



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The influence of project MENERGERS in the specific municipality



What local activities were generated through the MENERGERS project?



How has the city changed thanks to the MENERGERS project?

What impact did the project have on you or your team's professional abilities?



How will your efforts to support municipal energy management continue?

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The influence of project MENERGERS in the specific municipality



Through the project, a constant exchange of information took place and a database was created, both within the municipality itself and between the municipality and other units outside it.



At the present moment, it is too early to share the overall benefit and effect of the implementation of the project for our city.

The participation of the team in the project as a whole, the exchange of experience between the project participants and the shared practices and opinions had a positive effect. In this regard, the project motivated us to make an organizational separate structure of the "Municipal Energy Manager" model to work on.



- The role of the municipal energy manager should be consolidated and improved in the municipality of Sapareva Banya.
- Team participation in meetings and trainings
- Proposals for financing the Municipal energy manager team activities (software, electrical control systems)

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Thanks for your attention!

Sincerely yours, Eng. Evelina Nesheva

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