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USAID SERBIA ENERGY EFFICIENCY ACTIVITY (SEEA)

The USAID Serbia Energy Efficiency Activity (SEEA) is a two-year, \$1.7 million activity intended to reduce gas fuel consumption and dependency on imported fuel through improved energy efficiency in the provision of heating at the local level. SEEA aims to improve the efficiency of Serbian district heating systems by decreasing the amount of fuel required to meet consumers' heating needs.

USAID regional projects also support Serbia's energy sector by improving generation, distribution, oversight, and security of several regional platforms. The regional projects work with the Ministry of Mining and Energy, the Energy Agency of the Republic of Serbia, the state-owned electric power company (EPS), the national transmission operator (EMS), and government officials.

ACTIVITIES IN SERBIA

- SEEA helps partner district heating companies (DHCs) finance and implement energy improvements using funding from USAID, their own resources or by receiving funding through grants or bank loans from international financial institutions, Energy Service Contracting (ESCO,) or Public Private Partnerships (PPPs). The engineering team worked with selected companies on identifying the most critical interventions which could be addressed through the technical and financial framework of the project.
- SEEA is piloting projects in Niš, Pančevo, and Čačak to improve their district heating companies' efficiency and sustainability.
- In Niš, two boiler rooms were re-fitted with new equipment (burner, pipes, sensors), automation. During the heating season 2019/2020, energy efficiency at these locations was improved by 27%.
- In 2020, the 14MW Majakovski boiler room in Niš was fully automated including the installation of a Supervisory Control and Data Acquisition (SCADA) system resulting in initial fuel savings of 20 percent.

- In Čačak, 25 substations were fully automated and networked through a supervisory control and data acquisition (SCADA) system to enable remote control and operation. During the heating season 2019/2020, energy efficiency of their operations was improved by 37%.
- In Pančevo, USAID installed 200 additional solar thermal panels on the roof of the boiler room with a capacity of 350 kWh that have since late December 2019 produced 65000 kWh of heat energy – the equivalent to 8000 m³ of natural gas.
- In 2020, refurbished and automated the heating and hot water supply system of the General (COVID) Hospital in Pančevo. Initial savings are 30% of fuel and 8% of electricity.

ADDITIONAL INFORMATION

PROJECT FUNDING

U.S. Agency for International Development
(USAID/Serbia)

PROJECT IMPLEMENTATION

Tetra Tech ES, Inc. (in cooperation with E3
International)

KEY COUNTERPARTS

Municipalities; District Heating Companies;
Association of DH Companies of Serbia;
Standing Conference of Towns and
Municipalities Ministry of Mining and Energy

CONTACT

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SERBIA DISTRICT HEATING CASE STUDIES:

Niš
Pančevo
Čačak

PROJECT SPAN

Nationwide

PROJECT DURATION

September 2018 - December 2020

TOTAL FUNDING

\$1,700,000