



# **USAID Serbia Better Energy Activity (2021 – 2026)**



## **USAID Serbia Energy Efficiency Activity (SEEA) – 2018-2020** **Proving Potential Savings from Modernization**

- The USAID Serbia Energy Efficiency Activity (SEEA) allocated \$1.7 million to projects designed to reduce gas consumption and dependency on imported fuel by investing in energy efficiency at the local level (specifically, district heating companies).

## **USAID Serbia Energy Efficiency Activity (SEEA) – 2018-2020 Pilot Projects**

- In Niš, two boiler rooms were re-fitted with equipment (burner, pipes, sensors) and automation software. During the heating season 2019-2020, energy use at these locations was reduced by 27%. The 14 MW Majakovski boiler room was automated including with a new SCADA system. Fuel savings of approx. 20%.
- In Čačak, 25 substations were automated and connected to a SCADA system to enable remote control. During 2019-2020, efficiency of operations was improved by 37%.
- In Pančevo, 200 solar thermal panels were installed on the roof of the boiler room. Since December 2019, Pančevo has produced 65,000 kWh of heat energy – the equivalent to 8000 m<sup>3</sup> of natural gas. The project also refurbished and automated the heating and hot water supply system for the Pančevo General Hospital which allowed a 30% reduction in fossil fuel use.

## **USAID Serbia Better Energy Activity – 2021-2026**

### **Building on SEEA experience**

- Better Energy once again is focused on energy efficiency at the municipal level.
- Besides hands-on technical, engineering and policy advice, Better Energy includes \$2 million in grants for targeted efforts, including
  - ✓ in-kind assistance to support modern technology and equipment
  - ✓ assistance with pilot projects in selected DHPs
  - ✓ EE measures in multifamily residential buildings
  - ✓ outreach and information campaigns

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### **Additional Objectives**

- While focused on DHPs, Better Energy includes additional objectives:
  - Developing capacity in municipalities (local energy managers) to develop energy efficiency investments
    - ✓ Organizing trainings and promoting best practices.
  - Developing pilot energy efficiency projects for multi family residential buildings (MABs) which have seen limited quality upgrades
  - Addressing regulatory obstacles to renewable energy and energy efficiency investments
    - ✓ In particular, focused on promoting prosumer regulation to support investment in RE
  - Promoting sustainable financial instruments to support investments in energy efficiency and renewable energy
    - ✓ Better Energy is presenting and promoting best practices for financing energy efficiency, particularly for DHPs and MABs.

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### **New projects with DHPs**

#### **Sombor Automation-optimization for 17 substations**

- Purchase of a SCADA license and installation of SCADA system;
- Equipment for 10 substations upgrades
- Technical advice is also being provided to support installation of a PV array on the building rooftop
  - Potential to receive prosumer contract

#### **Nis Network Calibration and Leak Reduction**

- Equipment and software for network calibration and leak detectors to pinpoint leakages.

### **Knjaževac substation upgrades and automation**

- Design for upgrade of thermal substation in main municipal kindergarten. Procurement and installation of equipment to upgrade the substation
- Conceptual design (specs) for 16 additional substations (to be upgraded next year)

### **Pančevo Digital Transformation Project**

- Install a digital platform to link substations and boiler room and ensure that operations, including energy production, distribution and delivery, are automated to provide optimal solutions responsive to changing external conditions.

**THANK YOU!**

**USAID Serbia Better Energy Activity**

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