Resource Mobilization Facility
Serbia

Updated: December 2023

ENERGY EFFICIENCY IMPROVEMENT OF GOVERNMENT BUILDING

Official project title: *Energy Efficiency Renovation of Central Government Building - Feasibility Study on EE Renovation of SIV 3 building*

About: The support is to co-finance the development of project documentation for the reconstruction of a building that houses a number of government ministries and central offices in Serbia. The reconstruction is primarily aimed to reduce operational energy requirements with the use of modern technologies. Reconstruction itself is expected to be funded by a loan from the Council of Europe Development Bank (CEB) which has already been agreed for Serbia.
Project develops the Feasibility Study on energy efficient Renovation of governmental buildings in Serbia, specifically in Belgrade. The renovation is expected to help reduce energy requirements by more than 40% and CO2 emissions by more than 45%. The reconstruction is part of a plan to renovate a total of 28 government buildings in Serbia. Geothermal boreholes have been drilled and their energy output measured. Based on the results, a study on their use in the renovation of the so called SIV3 building will be prepared.

Status: ongoing
Implementation period: since 2021

PUBLIC LORAWAN NETWORK IN KRAGUJEVAC

Official project title: *Public LoRaWAN network in Kragujevac*

About: Project is developing project and technical documentation for building local Internet LoRaWan network in the city of Kragujevac in Serbia. LoRaWan is a special mobile network designed

primarily for communication with devices pursuing the IoT (Internet of Things) standards. The result of the project will be a network intended for the collection of data on waste production, management of maintenance and efficiency of public lighting, and monitoring of water flows in the city. The collected data will serve to optimize urban processes, reduce emissions and protect against floods. The network will be connected to the city data center. The city will co-finance the network construction. The local university will also become the technological research partner of the project.

Status: ongoing
Implementation period: since 2021

ENERGY EFFICIENCY OF MINISTRY OF EDUCATION INFRASTRUCTURE

Official project title: *Zero Energy Renovation Study*

About: The objective of this project is to develop Feasibility study which will enable the Ministry of Education of Serbia to define priorities, resources, organization structure, information system and control the mechanisms for investing in education facilities.
The specific objective of the Feasibility Study is to define the investment decision-making process related to the reconstruction of priority facilities so that they achieve near-zero emissions through the implementation of green renewable energy for heating and electricity generation.

Status: ongoing
Implementation period: since 2023

BIOMASS TO BIOGAS

Official project title: *Use of biomass for cogeneration in wastewater treatment*

About: The aim of the project is to use the waste generated in the wastewater treatment plant of the city of Čačak. The project will result in preparation of technical documentation and the Cadastre of economic and agricultural entities from which the city can obtain raw materials for the Co-generation Plant. Also, a study will be developed to define appropriate biomass (raw materials) which can be used in co-generation plant.

Status: ongoing
Implementation period: since 2023

MODEL FOR THE CONSTRUCTION OF A BIOGAS PLANT

Official project title: *Potential of biogas production from biowaste in urban and peri-urban regions*

About: The goal of the project is to develop a study of the potential of biogas production from biowaste in municipality/municipalities selected by a tender. The project will define appropriate biowaste (raw materials) which can be used in biogas facility, develop an economic analysis of the biowaste usage for biogas production, and specify most appropriate financial support mechanism/model for investment in biogas production from biowaste.

The study will serve as a basis for municipalities looking into the possibilities of collecting and using biodegradable waste. Following selection procedure, the study will be prepared for Kikinda, Subotica and Sremska Mitrovica. The study will result in a manual that will serve as a general guide for other municipalities in the region.

Status: ongoing

Implementation period: since 2023