

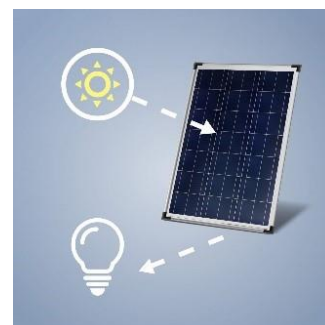
Resource Mobilization Facility Bosnia and Herzegovina

Updated: December 2023

INTERACTIVE SOLAR ATLAS

Official project title: *Accelerating Clean Energy Transition Through Utilization of Solar Energy Potential in Bosnia and Herzegovina*

About: The project aims to develop a comprehensive description of the current conditions for the construction of solar power plants in Bosnia and Herzegovina, and to propose the changes required for better use of the natural potential of the country to increase the production of electricity from the solar resources. Specifically, the project maps the current natural, technical and legislative conditions for the construction and operation of photovoltaic power plants, and the prospect of connection to the distribution network (on grid) and to island sources (off grid).



The project will propose legislative changes, define technical parameters for the construction and connection of new solar sources, and design models for financing the construction and calculation of profitability of new sources.

The project is designed for small (domestic) power plants, as well as for medium-size power plants (public buildings, industrial buildings, etc.). The cities of Gradiška, Cazin, Mostar and Prijedor partake in the project. Based on the project results, the installation of over 300 solar power plants is expected.

Status: ongoing

Implementation period: since 2021

PHOTOVOLTAICS FOR WATER UTILITY COMPANIES

Official project title: *Photovoltaics for Water Utility Companies (WUC)*

About: The project aims to increase the share of renewable resources in the energy balance of WUC and subsequently reduce the cost of electricity, which will allow WUC to continue to operate

effectively. The funds will be used to develop project documentation for eleven photovoltaic power plants in six cities: Tešanj, Teslić, Velika Kladuša, Tuzla, Konjic and Živinice. The total installed capacity output of the planned power plants is 926,05 kWp, which would directly contribute to reducing emissions by 762.36 tons of CO₂ per year. The investment itself will be covered by Swedish and BiH Government funds.

Status: ongoing

Implementation period: since 2023

MAGLAJ – PEACE BRIDGE

Official project title: *Development of the design documents for construction of the “Peace Bridge” on Bosna River in Maglaj*

About: The project developed documentation necessary for obtaining permits and the actual construction of the Peace Bridge near Maglaj in the same location where it stood before the Bosnian War. The reconstruction should reconnect the divided communities. Representatives of the local and national government pledged the resources needed to build the bridge that is expected soon.

In addition to the practical result of the construction of the bridge, the project also has a strong symbolic aspect of the ongoing post-war reconciliation of communities in BiH. Its implementation was strongly acknowledged by Slovak diplomacy and the OSCE.



Status: completed

Implementation period: 2022

INVESTMENT MODEL FOR ENERGY-SAVING PUBLIC LIGHTING

Official project title: *Development of a private-public investment model for EE street light systems in Bosnia and Herzegovina*

About: The project aimed to reduce public lighting energy consumption in 14 municipalities in Bosnia and Herzegovina: Cazin, Živinice, Gradiška, Domaljevac-Šamac, Kalesija, Zavidovići, Sapna, Srebrenica, Laktaši, Mrkonjić Grad, Novi Grad, Srbač, Teslić, and Donji Vakuf.



Project developed the feasibility studies of modernizing the current public lighting to modern LED lighting, including the calculations of energy savings under the new system, environmental impact assessment, and calculation of financial cost and expected savings. The project documentations also include the financing model proposals for individual local self-governments. Based on developed documents, municipalities have been able to search for financing, or carry out the reconstruction themselves. UNDP also supports municipalities with identification the financing and implementing partners.

The description and introduction of the ESCO financing model was one of the main recommendations in the preparation of projects for reconstruction of public lighting. It was used for the first time by municipalities during the reconstruction of public lighting in Bosnia and Herzegovina. Already, more than half of the participating municipalities are implementing total or partial reconstruction of public lighting based on delivered projects. ESCO model of financing is already used in more than 30 projects throughout the country.

Status: completed

Implementation period: 2018 – 2022