

30.12.2022.

Implementation of the project "Development of technical documentation for the use of geothermal energy in the area of the City of Križevci" in progress

Within the framework of the EEA Financial Mechanism for the period from 2014 to 2021 in March 2022, 2 projects were approved for financing to the City of Križevci and project partners Komunalno poduzeće d.o.o. Križevci and Efla h.f. (Iceland) for the implementation in the period from May 25, 2022 until April 30, 2024:

- "Development of technical documentation for the use of geothermal energy in the area of the City of Križevci", which will create all the necessary technical documentation for the exploitation of the Križevčanka 1 well, the main project for the Križevčanka 2 exploratory well, and the conceptual and main project for the establishment of a heating system for public buildings ("district heating"). The goal is to use the geothermal well to heat the complex of public buildings that are near the source, such as schools, the Agricultural College, potentially the city swimming pool, but also to enable the use of geothermal energy for heating greenhouses and dryers in cooperation with Agricultural College, which has its agricultural facilities near the well.
- "Establishment of a system for the production of geothermal energy in the area of the City of Križevci", which aims to determine the geothermal potential of the well. This means determining the possible amount of geothermal water extraction and the amount of gas dissolved in the water, the reservoir temperature and pressure, physical-chemical characteristics of water and gas, and based on the interpretation of the measured data, determine the reservoir parameters for calculating geothermal water reserves. Furthermore, the planned trial exploitation will be carried out for the needs of hydrodynamic and laboratory tests in order to determine the characteristics of the reservoir and define the parameters of the reservoir necessary for the creation of Elaborate of reserves.

During 2022, preparatory activities were carried out within both projects, project opening conference was held, visibility materials were procured (logo, roll-up banners) and public procurement preparation activities for both projects were started.

As part of the project "Development of technical documentation for the use of geothermal energy in the area of the town of Križevci", currently is being prepared the documentation for

- geodetic survey of cadastral plot 1966 k.o. Križevci and the preparation of the geodetic plan for the design and preparation of all geodetic attachments - the Križevčanka 2 well project and
- creation of a conceptual project for the development of the Križevčanka 2 exploratory well