

ENERGY RENOVATION OF BUILDINGS AND RENEWABLE ENERGY SOURCES USE

NEWSLETTER

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Green infrastructure: our goal is to establish inclusive, safe, adaptable and sustainable cities and settlements in the Republic of Croatia

Climate change, environment degradation and sustainable development challenges are our everyday reality. As they are more apparent and clearer, innovative approach and efficient answers are needed in our dealing with the greatest global challenge of our modern world. Sector for European Union Projects, International and EU Affairs at Ministry of Construction and Physical Planning (MCPPE) is thinking about green infrastructure in Croatian urban areas through international and European context.

One of the European Union priorities is achieving sustainable, climate neutral and green Europe. The European Green Deal, document published in late 2019, ambitiously presents sustainable growth strategy transforming into a just and prosperous society, with modern, resource effective and competitive economy, where in 2050 will be no net greenhouse gas emissions and where economic growth is decoupled from resource use .



Green infrastructure is recognized as an extremely important aspect of urban development and within Urban Agenda for the EU, which deals with integrative, coordinated and sustainable solutions on urban matters , strives to improve the quality of lives in urban areas. Urban Green Infrastructure Development Programme for the period from 2021 to 2030, which MCPPE is preparing in cooperation with Faculty of Architecture, University of Zagreb is logical extension of documents on global and European level and offers real contribution to achieving global and European goals in Croatia. Program is developed in accordance with the draft of National Development Strategy 2030 of the Republic of Croatia, which upon its approval will be the overarching strategic document defining development vision for the upcoming ten-year period .

When talking about green infrastructure, its potential basic elements are all forms of permanent greenery and water surfaces in the environment and buildings, and to become green infrastructure, they need to be on wide areas and interconnected.

Acquiring and realizing numerous benefits for society as a whole - economic, social and environmental - is a fundamental goal of investing in GI development as a component of sustainable development . Economic effects of the applying green infrastructure are measurable since it contributes to public and private expenses reduction, but also to revenue as well.



Social benefits of green infrastructure are directly reflected in urban life quality improvement by spending leisure time in open spaces and active use of publicly accessible recreational, sports, cultural, health and educational facilities which are part of green infrastructure . Preservation and renovation of air, water and soil quality is a direct benefit of green infrastructure for the environment as it directly lowers the impact of high summer temperatures and urban heat islands, furthermore reduces the noise and risk of floods and greenhouse gas emissions, but also increases sustainable ecosystem and resilience to climate change.



Croatia has many places where green infrastructure can be implemented or even improved, which MCPPE will put special emphasis on in the upcoming multiannual financial framework. Nevertheless, cities and settlements are the ones who need to recognize green infrastructure's significance to improve their urban area, but also the wellbeing of its citizens.

SINGLED OUT: Energy renovated building which is a part of cultural heritage of the Republic of Croatia

Ministry of Construction and Physical Planning ensured over HRK 459 thousand of grants for energy renovation of Subcenter for preschool education Vidrica at the address Fidlerove stube 1, Rijeka, while total value of the project is over HRK 1,6 million. Energy renovation creates a healthier and more productive preschool education environment for current and all future building dwellers, it creates a positive impact on the environment by establishing new and improved microclimate space conditions, and upon completion it contributes towards lower CO2 emissions.



Energy renovation of preschool education subcentre Vidrica

The goal of this energy renovation project is to implement energy efficiency measures which are recognized as strong and financially optimal way of achieving sustainable development goals in the world today. Investment in energy efficiency is returned through savings achieved in lower energy consumption, and in the table below we present a review of all energy renovation measures.

Energy renovation of preschool education subcentre Vidrica on address Fidlerove stube 1, Rijeka	
Total project value:	1.608.131,00 HRK
Total grant:	459.447,57 HRK
Energy renovation measures:	<ul style="list-style-type: none"> - Increase in thermal insulation of roof above heated space - Increase in thermal insulation of outer wall - Increase in thermal insulation of roof towards unheated space - Replacement of outdoor doors and windows - Installing new highly efficient heating system - Introduction of remote energy and water consumption-reading system and a control scales system for energy and water
Energy class:	Shift from energy class D to B
Savings:	63,07 %
Construction year:	1865
CGA:	559,00 m2

In Primorje – Gorski Kotar County there are 202 contracted energy renovation projects of public and residential buildings, whose total value is HRK 453,9 million, of which HRK 195,2 million are grants from European Regional Development Fund.

Out of 202 contracted energy renovation projects, 48 are energy renovation projects of public buildings whose total value is HRK 201,9 million, out of which grants from European Regional Development Fund are HRK 62,5 million, while 154 are energy renovation projects of residential buildings whose total value is HRK 252 million, out of which grants from European Regional Development Fund add up to HRK 132,7 million.

Out of 202 projects, energy renovation is complete on 182 of them, projects are still ongoing, while 7 of them are in preparation phase. 8 contracts were terminated.

NOTICE

We are informing our potential applicants, as well as the rest of the interested public, about further postponement of the publication of the Call for project proposals submission "Energy renovation of residential buildings" until October 2020, when it is expected that the conditions for opening the Call will be met.

Interested public is invited to follow the MCPP website <https://mgipu.gov.hr> and Central Internet website of the ESI Funds <https://strukturnifondovi.hr> in order to be informed in a timely manner of all relevant news related to the Call.

Status of implementation of the contracted energy renovation projects

In the graph below we present the latest data on the state of implementation of energy renovation projects through our last three calls:

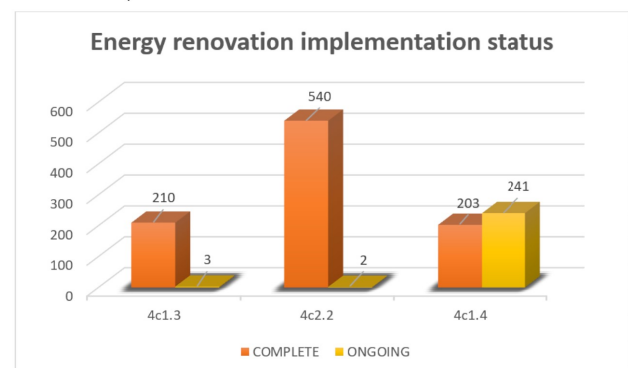
Call 4c1.3 'Energy renovation of buildings and use of renewable energy sources in public institutions performing educational activities'

'Call 4c2.2 'Energy renovation of multi-apartment buildings'

Call 4c1.4 'Energy renovation and renewable energy sources use in public buildings'

We remind, out of a total of 1297 active contracted projects, the energy renovation works are completed on 960, and ongoing on 245 public and residential buildings.

Data last updated on 29 June 2020.



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