



ENERGY RENOVATION OF BUILDINGS AND RENEWABLE ENERGY SOURCES USE

NEWSLETTER

ISSUE NO 19 OCTOBER 2019.

Two energy renovation projects from Croatia showcased at REDay 2019

During the European Week of Cities and Regions 2019, REDday 2019 took place on October 8, 2019 in European Parliament, making it ninth in a row as part of the RENOVATE EUROPE campaign. Head of Sector for EU Projects, International and EU Affairs Ines Androić Brajčić participated at the event where two Croatian projects, among other, were showcased.

Renova Europe is a political communication campaign established with an initiative to reduce the energy demand of the building stock in the EU by 80% by 2050, in order to reach nZEB standard by mid-century. Energy renovation of buildings is the most efficient tool in the fight against climate change and it can greatly benefit the EU meet its objectives under the Paris Agreement. REDay 2019 was also an opportunity to showcase the best practice examples in Europe, and it is with pleasure that we can highlight two Croatian energy renovation projects which were presented, Kindergarten Ciciban in Velika Gorica and improved energy performance project of General Hospital in Karlovac.

Kindergarten was renovated within the Call 4c1.3 published by MCPP. Total project value is over HRK 4,7 million, while total grants from ERDF amount to over HRK 1,6 million. After energy renovation the building is achieving over 75% energy savings and it shifter from energy class E to B.

The other project presented is renovation of General Hospital building in Karlovac as part of the Energy renovation of public sector buildings Program for the period 2014-2015 (ESCO model), implemented by the APN. Four buildings were renovated through project implementation, and by energy renovation energy consumption was reduced by 53,46% and buildings shifted from energy class G to D.

Republic of Croatia is actively implementing energy renovation of building projects, hence contributing to achieving EU goals such as decarbonization of energy systems, increasing the ratio of renewable energy sources and investment in nZEB standards.



Head of Sector for European Union Projects, International and EU Affairs Ines Androić Brajčić

Save the Date: „City’s Green Future“ conference

“City’s Green Future” is the name of the conference organized by Ministry of Construction and Physical Planning on 11 November 2019 in order to induce talks and address the growing needs of cities and settlements to plan and finance green infrastructure projects in urban areas as well as circular management of buildings and spaces.



MCPP takes part in development of National Development Strategy (NDS) by 2030 for Republic of Croatia. NDS is a key strategic national document for post 2020 multi-annual financial framework and fundamental for programming the budget, resources from EU funds and other available international sources of financing for Republic of Croatia in new multi-annual financial framework. “Green Croatia” is a development direction and an integral component of NDS through which green infrastructure and circular management of buildings and spaces is being promoted.

MCPP will present two programs at the conference concerning the subject in matter, both being developed in cooperation with the Faculty of Architecture in Zagreb. Those are Urban Green Infrastructure Development Program and The Circular Management of Buildings and Spaces development Program, for the 2021 – 2030 period.

Besides the strategic framework, conference will also be a platform to present good practice examples and development of operating and methodological monitoring system while applying urban green infrastructure and principles of circular management of buildings and spaces.

SINGLED OUT: HRK 2,8 million in grants and 71,17 percent savings for a building on a Dunav riverbank

MCPP ensured over HRK 2,8 million in grants for energy renovation of residential building at Dunavska 5 in Vukovar, a building with 71 households.

The building in question is located 15 meters from Dunav riverbank, area with strong wind currents which cause strong temperature drops compared to other locations in the city.

The conditions prior to the energy renovation did not satisfy contemporary and efficient energy efficiency standards. Residents dealt with expensive utility bills as heating energy was lost due to poor walls and windows insulation. This sort of energy exploitation together with harmful gas emissions in the atmosphere was extreme and irrational.

Energy renovation of residential building at the address Dunavska 5, Vukovar	
Total project value:	HRK 5.631.143,30
Total grants:	HRK 2.870.274,75
Energy renovation measures:	<ul style="list-style-type: none"> * upgraded thermal insulation of external walls * reconstruction of the roof above the heated space * thermal insulation of external walls * thermal insulation of the floor towards the ground or unheated space * replacing external doors and windows
Energy class:	Shift from D to B
Savings:	71, 17%
Year of construction:	1975 /reconstruction in 1998

The building shifted from energy class D to B. Projected decrease of 71,17% in both CO₂ emissions and the amount of heat energy used demonstrate significant savings, in other words a good cost benefit ration.

This successful example of building renovation, as part of the Call for 'Energy renovation of multi-apartment buildings', is one of six renovated buildings in the City of Vukovar whose investment was over HRK 17 million, out of which grants amount to HRK 9,5 million. In Vukovar-Srijem County area there are a total of 21 implemented energy renovation projects, whose total value is HRK 32,5 million, while grants amount to over HRK 17 million.



Energy renovation works across country are swiftly coming to an end

MCPP as an intermediary body level 1 in the ESI funds management and control system, has paid out HRK 63,6 million of grants in September alone to beneficiaries for energy renovation works of public and residential buildings, making it the largest amount of grants paid out in anyone month since the beginning of this multi-annual financial framework, in other words since 2015 when first Calls were published.

A total of 1.350 projects are being implemented as part of three Calls for energy renovation of buildings whose total value is over HRK 4 billion. Total contracted value of grants adds up to more than HRK 2 billion.

Construction works are still in progress on 186 buildings within the Call 4c1.3 and Call 4c1.4, while 245 buildings are renovated. Out of the above-mentioned projects, 86 refer to energy renovation of kindergartens whose total value is over HRK 202 million, while 76 projects refer to energy renovation of institutions providing health services whose total value exceeds HRK 535,9 million.

Within the Call 4c2.2, 35 residential buildings have ongoing construction works, while 502 buildings are renovated. Total allocations available for energy renovation of residential buildings under this Call amounted to HRK 152 million. Due to high interest and number of applications received the allocations were increased to HRK 400 million, hence 584 Agreements on awarding grants for energy renovation were signed whose total value is over a billion kunas.

Out of the 555 projects being implemented, 292, or 53% of them, received more than 90% of grants in installments. All of 555 energy renovation projects received 81% of grants, while 16 projects received 100% of grants as per the Agreement on awarding grants.

Through integrated approach, energy renovation of residential buildings lowered the energy consumption levels and reduced the utility bills for over 16.000 residents across the Republic of Croatia, while simultaneously making their dwelling conditions more comfortable.



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