

## ENERGY RENOVATION OF BUILDINGS AND RENEWABLE ENERGY SOURCES USE

## NEWSLETTER

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### Conference: „Sustainable energy development in Velika Gorica City“

In early June 2019, as part of the Sustainable Construction Energy Week, City Office for Environmental Protection of Velika Gorica in cooperation with Croatian Green Building Council organized the conference: "Sustainable energy development in Velika Gorica City".

Target audience for this conference were representatives of legal entities whose enterprise are located around City of Velika Gorica and whose activities are related to this issue, as well as representatives of multi-apartment buildings and representatives of city districts and local boards. On this occasion numerous projects from Velika Gorica were presented to the public concerning sustainable energy development and green construction. The goal of the conference was to familiarize the public about this matter, but to also gain public support in promoting sustainable energy development policies in Velika Gorica.

Holding a presentation at the conference on nZEB and energy renovation of buildings and financing possibilities with a focus on projects in Velika Gorica was the Head of Sector for EU programmes, International and EU Affairs, Ines Andrić Brajčić. Andrić Brajčić used the occasion to talk about successful projects in the Velika Gorica area which were awarded nearly HRK 70 million in grants from ERDF for energy renovation of buildings but also to talk about MCPP's future plans on sustainable and urban development according to EU goals for Green Europe.

A panel discussion called "Velika Gorica – city of potential and successful examples in buildings and sustainable mobility" was held after the conference.



Ines Andrić Brajčić, head of Sector for EU programmes, international and EU affairs

### SINGLED OUT: Great example of teaching children about energy renovation comes from Trogir



Kindergarten Maslačak after energy renovation

MCPP secured more than HRK 260 thousand of grants for energy renovation project of regional kindergarten "Maslačak", whose total project value is HRK 1.3 million. Financial sustainability achieved through energy savings will contribute to better upbringing and education. Additionally, public buildings are significant potential for energy savings and are expected to lead with an example in renovation and securing investments.

This example from Trogir is significant where the educators at "Maslačak" kindergarten used creative ways to show the children the importance of energy renovation - children drew what preserving energy and the environment means to them, and one artist from Trogir conveyed their drawings onto the kindergarten's renovated façade.

Under the Call 4c1.3 'Energy renovation of buildings and use of renewable energy sources in public institutions performing educational activities', Split-Dalmatia County area, for total of 8 projects, concerning 3 kindergartens and 5 schools, secured more than HRK 20.3 million while grants amounted to HRK 7.6 million.

Energy renovation of "Maslačak" kindergarten building at the address Kneza Trpimira 41, Trogir	
Total project value:	HRK 1.326.718,80
Total Grants:	HRK 260.992,89
Energy renovation measures:	<ul style="list-style-type: none"> <li>- preparation of energy renovation for the main project with corresponding studies of applicable</li> <li>- increase of thermal protection above the heated space</li> <li>- increase of thermal protection of outer wall</li> <li>- replacement of exterior carpentry</li> <li>- replacement of hot water consumption system with a renewable energy source system</li> <li>- replacement or implementation of ventilation system with new high efficiency</li> <li>- preparation of heated water for the purpose of ETC from RES</li> <li>- cooling for the purpose of ETC-a from RES</li> <li>- replacement of interior lighting system with an efficient one</li> </ul>
Energy class	Shift from energy class D to B
Savings:	64,16%
Construction year:	1974
Number of children:	100
Education:	Pre-school upbringing and education



## Agreement signing for public buildings continues

After all Financing Decisions for selected projects have been signed under the Call 4c1.4 'Energy renovation and renewable energy sources use in public buildings' a total of 530 Agreements have been signed with total project values adding up to nearly HRK 2.2 billion, HRK 1.07 million of which are awarded grants, energy renovation works have started as well.

Of the signed Agreements under this Call renovation works are already completed on 23 buildings, while works on 84 buildings are still under way.

Project status can be found in the table below.

Data by mid-June 2019	No. of Finan.Dec.	Total contracted value of projects	Grants awarded
Financing Decisions	549	HRK 2.330.495.252,18	HRK 1.137.391.030,78

Data by mid-June 2019	No. of Agreements	Total contracted value of projects	Grants awarded
Signed Agreements	530	HRK 2.193.790.563,34	HRK 1.071.227.818,94

\*as of 27 June 2019.

The register of signed Agreements can be followed on websites ESIF, eFondovi and MGIPU websites. [www.strukturnifondovi.hr](http://www.strukturnifondovi.hr), <http://efondovi.mrrfeu.hr> i

## Energy renovation of multi-apartment buildings continues

By the end of 2016 MCPP launched the Call for submission of project proposals 'Energy renovation of multi-apartment buildings', under which 584 Agreements on grants have been signed, with total project values of more than HRK billion, out of which grants from ERDF make up over HRK 554 million.

Out of 584 projects being contracted, renovation works are finished on 437 of them, while 85 of multi-apartment buildings have started the renovation works. Total value of finished projects is over HRK 730 million while grants are more than HRK 405 million.



Over 11.000 renovated households participate in promoting energy efficiency and renewable energy sources in residential buildings, but showing most success within this Call is the Croatian Primorje-Gorski Kotar County. Most common energy shift is from energy class E to B, while average annual energy savings for heating / cooling are 66,71%. Average age of the buildings is 49 years.

## MCPP is promoting energy renovation of buildings at manifestations worldwide

Again, this year representatives from Ministry of Construction and Physical Planning are promoting co-financing energy renovation of buildings from ESI Funds by participating at various conferences, symposiums and other events.

32nd symposium on green infrastructure – GREEN TALKS - was held in Zadar on 6 June under the name "Sustainable construction & nZEB" organized by Croatia Green Building Council, City of Zadar and Zadar Society of Architects. GREEN TALKS are free lectures intended for wide audiences, but also to all other interested and whose work is related to green construction.

The symposium intends to encourage interactive dialogue and through expert presentations encourage green and sustainable construction, and therefore contribute to environment preservation and protecting it from climate change. Representatives from numerous institutions and private companies held educational and promotional presentations with focus on nZEB legal framework and market implementation as well as energy renovation of buildings through ESI Funds.

Results of Calls for energy renovation of public and multi-apartment buildings, as well as future plans were presented at **2nd Energy Efficiency Day** on 31 May, organized for the second year in a row by Požega-Slavonia County together with Reginal Office for Coordinated Developments of Požega-Slavonia County.

The intent behind Energy Efficiency Days is to gather experts in energy efficiency, for them to exchange experiences and information, but also new ideas and challenges they faced while implementing projects. Besides MCPP representatives, presentations were held by representatives from EEEPF and Croatian Chamber of Commerce – Sector for Energy and Environmental Protection, Faculty of Civil Engineering Osijek, Administrative Department of Civil Engineering from the City of Osijek, Hidroenerge d.o.o. and representatives from Municipal Services of Požega and Pakrac.

As part of Energy Efficiency Days, a conference was held with respect to completion of energy renovation works of Elementary School Ivan Goran Kovačić in Town of Velika, which is one of three largest projects under the Call 4c1.3. Total value of the project is over HRK 4 million, while total grants add up to nearly HRK 2.4 million.



REPUBLIC OF CROATIA  
MINISTRY OF CONSTRUCTION AND  
PHYSICAL PLANNING

Republike Austrije 20, Zagreb

<https://mgipu.gov.hr>  
[www.strukturnifondovi.hr](http://www.strukturnifondovi.hr)  
<https://efondovi.mrrfeu.hr>  
[ee@mgipu.hr](mailto:ee@mgipu.hr)