

Title of the measure:	Programme for energy renovation of single family houses 2014-2020
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General description

The Programme for energy renovation of single family houses was adopted by the Government in 2014 and covers the period until 2020. The first phase of the Programme was from 2014 until the end of 2016 and envisaged provision of grants from Environmental Protection and Energy Efficiency Fund for projects related to the improvement of thermal insulation of building envelope (increasing the thermal protection of the building envelope, window replacement), the replacement of the heating system (replacing existing electrical or fossil fuel powered heating systems with new systems with gas powered condensing boilers) and the use of renewable energy sources (installation of solar thermal collectors; installation of heat pumps; installation of small, biomass powered boilers). The implementation of the Programme started in 2014, when the Fund disbursed co-financing firstly to local and regional authorities, which then announced public calls for single family house owners. The implementation model was changed in 2015, when the Fund became a pivotal point for citizens to apply for co-financing of home renovation projects. In this period, the Fund awarded co-financing for more than 9.200 energy renovation projects in single family houses. Co-financing rates were 40, 60 or 80% depending on the area in which a house is situated.

In the second phase of the Programme, available financing from European Regional Development Fund will be used as stated in the draft 4th NEEAP and Operational Programme "Competitiveness and Cohesion 2014-2020". For that purpose, € 30 million is secured. Co-financing of up to 60% will be awarded only to renovation projects that achieve reduction in specific heating demand of at least 50%, which means that focus will be on thermal insulation of building envelope.

Depending on the availability of financial resources collected by the Environmental protection and Energy Efficiency Fund and acquired through the sale of emission units at the auction trade of greenhouse gas emission units of the EU, pursuant to the Air Protection Act (OG 130/11, 47/14), the implementation of measures for installation of thermal-technical systems and the transition from conventional to alternative energy sources (RES), such as: photovoltaic systems for own consumption, biomass boilers, solar collectors, heat pumps, etc. These activities are complementary with the activities of the Programme but differ regarding the source of financing.

Impact evaluation

After the renovation, the project data are entered into national System for Measurement and Verification of Energy Savings (SMiV) and energy savings are calculated by using prescribed BU methodology for integral renovation of buildings with project-specific input data. Savings achieved in 2016 as reported in draft 4th NEEAP were 0,70014 PJ. Expected savings in 2020, according to draft 4th NEEAP are 0,83200 PJ.

Interaction of measures

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Historical data

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References

Programme for energy renovation of single family houses 2014 -2020:

<https://narodne-novine.nn.hr/clanci/sluzbeni/dodatni/431066.pdf>

https://narodne-novine.nn.hr/clanci/sluzbeni/2015_03_36_742.html

3rd National Energy Efficiency Action Plan:

https://ec.europa.eu/energy/sites/ener/files/documents/2014_neeap_en_croatia.pdf

Draft 4th National Energy Efficiency Action Plan:

https://ec.europa.eu/energy/sites/ener/files/hr_neeap_2017_en.pdf

