

PREPARATORY STEPS

PP5 CITY OF KARLOVAC

Activity A.T2.3 - D.T2.3.1 State of art about
preparatory steps for pilot and investment
action plan

21 06 2017





Activity .AT2.3 Implementing 8 pilot actions and investments to prepare the set for EGs active actions towards EE

Deliverable D.T2.3.1: Preparatory steps for pilot and investment action plan: Definition of preparatory documents and preparatory analysis of technical and management requirements documentation, definition of technical requirements for purchasing the equipment, preparatory documents for procurement procedures

PP5 City of Karlovac	
Technical activities description	
<p>5 elementary schools in the inner city area of the city of Karlovac will be involved in this activity. Each participating school will be equipped with a system for monitoring energy consumption. Smart meters will have to be linked by LAN or WLAN to the Internet, so that energy monitoring from all schools is possible through PC or smartphone. The investment consists of: smart meter for heat, electricity, installation, WLAN or LAN-linkage, web design applications for monitoring consumption, RES application and/or intervention on the building envelope is also foreseen. The total investment costs amount to € 51.850 for 5 schools as a whole involved:</p> <p>1 Smart meter for electrical energy supply = € 1.000 x 5 schools = € 5.000 1 Smart meter for thermal energy supply = € 1.000 x 5 schools = € 5.000 Job for smart meters installation and technical connection of the devices to WLAN = € 1.400 x 5 schools = 7.000 Sensors = € 720 € x 5 schools = € 3.600 1 Thermostatic valve for emission system regulation and optimization, installation included = € 40 x n. 80 each school x 5 schools = € 16.000 1 Led lamp for school = € 10 x n. 80 each school x 5 schools = € 4.000 + installation € 2.500 Further EE intervention = € 8.750 = Building Energy Management System (BEM) to be combined with smart metres installed = € 1.750 each BEMS x 5 schools = € 8.750</p>	
Preparatory steps for pilot and investment action plan and State of the art of the deliverable implementation	
<p>Requested and receives help from LP concerning the public procurement specification for smart meters. Putting data together for procurement.</p> <p>Other equipment will be installed by end of august 2017.</p>	
Deviations from the planned implementation	
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