THE ACTIVE CONTROL OF LOSSES IN WATER SUPPLY SYSTEM OF EAST SARAJEVO

PROJECT IMPLEMENTER:
UC “Vodovod i kanalizacija” jsc East Sarajevo

PROJECT FUNDING [€]:

<table>
<thead>
<tr>
<th>Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAWD</td>
<td>38,500-</td>
</tr>
<tr>
<td>Co-finance</td>
<td>17,000-</td>
</tr>
<tr>
<td>Total</td>
<td>55,500-</td>
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</tbody>
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PROJECT DURATION:
Starting Date: 1 July 2016
Ending Date: 30 September 2017

RESULTS ACHIEVED BY IMPLEMENTING THIS PROJECT:
• Real losses are reduced by ~120m³/day (from 193m³/day to 69m³/day)
• Amount of revenue water is increased in DMA
• Infrastructure leakage index (ILI) is reduced from 26 to 7 in this DMA
• Non-revenue water is reduced from 60% to 20%

INDICATORS OF SUCCESS:
• Successful establishment of the pilot DMA
• Successful adoption of the IWA methodology
• Training of employees in UC “Vodovod i kanalizacija” East Sarajevo to actively control losses in water supply network
• Knowledge transfer to other interested companies

ACTIONS TAKEN TO DETERMINE AND DECREASE REAL AND APPARENT LOSSES USING IWA METHODOLOGY

- Preparation, development and hydraulic modeling in Epanet of DMA Dobrinja
- Installing “all in one” equipment for monitoring flow, pressure and noise logger
- Monitoring of parameters (pressure, flow, noise) in the DMA zone
- Replacing 50 oversized water meters with better accuracy meters in old residential buildings
- Installed water meters at lump sum consumers in residential buildings
- Conference for water companies from the region on active control of losses
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SPECIFIC PROBLEMS ADDRESSED BY THE PROJECT:
- Difficult detection of pipe breaks
- Difficulties in management of the system
- Detection of illegal consumers

Smart policies, strong utilities, sustainable services