

# Technical Assistance – Project description

City of Terrassa



<i>Location</i>	Catalonia, Spain
<i>Beneficiary</i>	City of Terrassa
<i>Member of Covenant of Mayors Initiative</i>	✓
<i>Contribution</i>	EUR 623,467
<i>Project development services financed by eeef</i>	<ul style="list-style-type: none"> <li>• Tender to contract a consulting company to conduct feasibility analysis in the street lighting and municipal buildings, renewable energy installations and mobility</li> <li>• Performance of investment grade energy audits in order to define the minimum measures to be carried out by the ESCO</li> <li>• Procuring the legal advice to put the contract with the ESCO in place</li> <li>• M&amp;V plan will be outlined in accordance with IPMVP</li> </ul>
<i>Timeframe for TA</i>	Expected to be completed by March 2015
<i>Description of the envisaged investment programme</i>	<p>The City Council has identified 4 key areas to focus its energy efficiency upgrade programme at:</p> <ul style="list-style-type: none"> <li>- Street lighting : 1,000 lighting points from the total number of 28,037 should be equipped with lighting activity sensor control system</li> <li>- Public buildings renovations: 40 out of 82 public buildings were selected for feasibility studies with the highest energy consumption, the priority will be given to schools</li> <li>- Small scale renewable energy installations</li> <li>- EV charging stations for public transportation</li> </ul>
<i>Investment required</i>	Expected investment of EUR 18.5m
<i>Expected results</i>	<ul style="list-style-type: none"> <li>• Energy savings to be achieved (kWh) : <ul style="list-style-type: none"> <li>- Public lighting: 7,390,082 kWh</li> <li>- Public buildings: 2,108,579 kWh</li> <li>- Clean urban transport: 11,388,000 kWh</li> <li>Total: 20,886,661 kWh</li> </ul> </li> <li>• PV electricity production: 1,040,000 kWh</li> <li>• Greenhouse gas emissions reduced/avoided in CO<sub>2</sub>eq: <ul style="list-style-type: none"> <li>- Public lighting: 2,217,025 kg CO<sub>2</sub></li> <li>- Public buildings: 511,519 kg CO<sub>2</sub></li> <li>- Clean urban transport: 6,073,000 kg CO<sub>2</sub></li> <li>Total: 8,801,544 kg CO<sub>2</sub></li> </ul> </li> <li>• Jobs created/sustained: <ul style="list-style-type: none"> <li>- Analysis phase (1 year): 15 FTEs</li> </ul> </li> </ul>

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	- Construction phase (1-2 years): 50 FTEs - Operation phase (10-15 years): 20 FTEs
<i>eeef's support for investment programme</i>	eeef could consider to finance at least €5m from the investment programme