

Technical Assistance – Project description

City of Córdoba



<i>Location</i>	Andalucía, Spain
<i>Beneficiary</i>	City of Córdoba
<i>Member of Covenant of Mayors Initiative</i>	✓
<i>Contribution</i>	EUR 754,240
<i>Project development services financed by eeef</i>	Financial support from the technical assistance is targeted to define the upgrading needs derived from the quantified savings measures in frame of feasibility studies, selecting profitable measures in the street lighting and public buildings sectors that will be included in the bidding process to be realised by ESCO. With the help of the TA, the City intends to receive the support in preparing, conducting and evaluating the tenders and will procure legal advice to put the contract with an ESCO in place. Finally, the measurement and verifications of savings with the establishment of a protocol to be applied in monitoring of energy management
<i>Timeframe for TA</i>	expected to be completed by June 2015
<i>Description of the envisaged investment programme</i>	Córdoba has launched this project as the first step towards implementing a sustainable urban development concept. The City targets to achieve 52% reduction of energy consumption in public lighting by replacing the actual installations with LED luminaries and 33% in public buildings via optimization of energy management and boilers replacement. It also plans 10 PV solar installations on the roofs of 10 sports facilities. The feasibility studies planned within the TA should embrace 50,000 street lighting points and 173 public buildings
<i>Investment required</i>	expected investment of EUR 18m
<i>Expected results</i>	<ul style="list-style-type: none"> • Energy savings to be achieved (kWh) : <ul style="list-style-type: none"> - Public lighting: 22,488,458 kWh - Public buildings: 3,081,329 kWh Total: 25,569,787 kWh • PV electricity production: 1,973,417 kWh • Greenhouse gas emissions reduced/avoided in CO₂eq: <ul style="list-style-type: none"> - Public lighting: 5,397,230 kg CO₂ - Public buildings: 682,840 kg CO₂ - PV electricity production 743,620 kg CO₂ Total: 6,823,690 kg CO₂ • Jobs created/sustained: <ul style="list-style-type: none"> - Analysis phase (1 year): 15 FTEs - Construction phase (1-2 years): 100 FTEs - Operation phase (10-15 years): 40 FTEs
<i>eeef's support for investment programme</i>	eeef could envisage to finance at least €5m from the investment programme