

## The Barcelona Metropolitan Area



<b>Location</b>	Community of Catalonia, Spain
<b>Beneficiary</b>	Barcelona Metropolitan Area (AMB)
<b>Member of Covenant of Mayors Initiative</b>	Coordinator of the Covenant of Mayors. The 15 municipalities participating in the TA project are Members of the Covenant of Mayors: Badia del Vallès, Barberà del Vallès, Cervelló, El Papiol, Montcada i Reixac, Montgat, Pallejà, Ripollet, Sant Andreu de la Barca, Sant Climent de Llobregat, Sant Cugat del Vallès, Sant Feliu de Llobregat, Sant Vicenç dels Horts, Tiana, Torrelles de Llobregat.
<b>Contribution</b>	EUR 383,285
<b>Project development services financed by eef</b>	<ul style="list-style-type: none"> <li>• Technical support to prepare energy audits for street lighting and public buildings, including the validation for renewable energy installations/PV systems and feasibility study of the facilities for biomass district heating. Economic viability study of the project.</li> <li>• Recommendations on the institutional setup of a Project Implementation Unit (PIU) in the Administration and support in the tender process, evaluation of offers for ESCO selection, supervision of implementation, etc.</li> <li>• Legal analysis and preparation of the tender package, etc.</li> <li>• Scope out the interest of the private-sector energy efficiency community.</li> </ul>
<b>Timeframe for TA</b>	Completed by 2025
<b>Description of the envisaged investment programme</b>	The AMB is planning to create energy communities and increase the overall energy efficiency levels in 15 municipalities of the metropolitan area by (i) upgrading 77 public buildings, including the installation of remote management systems, replacement of gas/diesel boilers for central biomass boilers in rural areas and HVAC systems in urban areas, replacement lighting systems in buildings and electrical switch off, etc., (ii) developing energy communities with solar PV systems and/or PV system installation on 16 buildings, (iii) installing 12 new biomass district heating, and (iv) street lighting retrofit (7,778 points) using LED technology in 2 municipalities. Additionally, the evaluation of the economic viability of the investment, structuring of the tender documents to align with the PPP / ESCO model, external advisors, and legal analysis will be included.
<b>Investment required</b>	EUR 11.3m
<b>Expected results</b>	<ul style="list-style-type: none"> <li>• Energy savings to be achieved (MWh): - 17,387 MWh</li> <li>• Greenhouse gas emissions reduced/avoided in total: 2,850 tCO<sub>2</sub>eq</li> <li>• Job created/ sustained 41 FTEs</li> </ul>
<b>eef's support for the investment programme</b>	eef targets to contribute to the financing of the investment programme.