



ELENA Project Factsheet Cheshire East Energy Programme

Location	The Project Development Services will be performed and the investment programme will be realised in the Cheshire East Borough Council (CEC) area. Cheshire East is located within the North West region of England, United Kingdom.
Beneficiary	The Cheshire East Council
CoM signatory	No
Sector	Energy efficiency improvements in public lighting systems, renewable energy in build environment and district heating.
Total PDS cost	EUR 1,187,890
ELENA contribution	EUR 1,069,101
Project Development Services (PDS) financed by ELENA	With all the proposed investment projects being under the control of the public sector, the ELENA TA will prepare the business case and support the officers gaining the necessary decisions to invest in and procure the project. This may include the development of all the necessary contracts and funding arrangements for each of the projects and supporting the tender process, depending on the skills within the Local Authority. This will at a minimum relate to working with key stakeholders to ensure projects receive the necessary consents and may extend to broader project development and delivery support.
PDS Timeframe	September 2017 – August 2020

Investment programme description	<p>The Investment Programme will be implemented through three priority schemes:</p> <table border="1" data-bbox="592 315 1434 723"> <thead> <tr> <th data-bbox="592 315 815 349">Work stream</th> <th data-bbox="815 315 1434 349">Definition</th> </tr> </thead> <tbody> <tr> <td data-bbox="592 349 815 472">Energy efficient street lighting</td> <td data-bbox="815 349 1434 472">Related to the installation of energy efficient street lighting and associated supporting structures and management systems, including street and highways lighting.</td> </tr> <tr> <td data-bbox="592 472 815 595">3 district heating/ energy networks</td> <td data-bbox="815 472 1434 595">Building new energy/district heating networks, including networks based on combined heat and power (CHP) and decentralised CHP systems (building or neighbourhood level).</td> </tr> <tr> <td data-bbox="592 595 815 723">Energy Management</td> <td data-bbox="815 595 1434 723">Developing smart grid by utilizing decentralized energy storage facilities and generate renewable electricity through the same network to balance the grid during peak demands.</td> </tr> </tbody> </table>	Work stream	Definition	Energy efficient street lighting	Related to the installation of energy efficient street lighting and associated supporting structures and management systems, including street and highways lighting.	3 district heating/ energy networks	Building new energy/district heating networks, including networks based on combined heat and power (CHP) and decentralised CHP systems (building or neighbourhood level).	Energy Management	Developing smart grid by utilizing decentralized energy storage facilities and generate renewable electricity through the same network to balance the grid during peak demands.
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Investment to be mobilized	EUR 27 860 000								
Description of the approach to implement the Investment Programme	<p>The Skills and Growth Company (SAGC) is a company wholly owned by Cheshire East Borough Council and provides project management for the major schemes the Council requires to be delivered. The inclusion of the team within an ELENA investment team provides an established governance approach that will enable and support efficient delivery of projects. This approach is unique to CEC and the SAGC has a track record of successfully managing projects and will be responsible for attracting further funds. The SAGC will focus primarily on delivering heat network infrastructure projects, energy storage and Street Lighting LED projects that will substantially contribute to the carbon reduction targets across CEC.</p>								
Expected results	<p>The total estimated contributions are:</p> <ul style="list-style-type: none"> • Energy Efficiency - annual energy saved 11 GWh_{el}. • CO₂ emissions reductions – annual total reductions of CO₂ emissions 2 181 t CO₂ eq. 								
Leverage factor (Minimum 20)	26								
Market replication potential	<p>The project has a high replication potential, especially in the UK, where deployment of DH systems is common in many municipalities. The ELENA support contributes to a significant increase in expenditure in the priority activities of energy efficiency in the urban areas and thus contributes to implementing regional and national objectives in these sectors. The market replication potential of the project is considerable. It is expected that lessons learned from carrying out the project in the Cheshire East will allow other UK municipalities to follow a similar path.</p>								
Status	Contract signed on 24/08/2017								
Contact person at Beneficiary	Jan Willis								