



ELENA Completed Project Factsheet

South West Energy Unit (SWEU)

Location of planned investments	ELENA funded technical assistance provided, and the related investment programme were implemented in South West England. The ELENA programme included the local authorities of Bristol, Devon, Exeter and Plymouth and supported other local authorities and public sector organisations across the South West of England.
Final Beneficiary	Bristol City Council
Final Beneficiary's address	Council House Bristol BS1 1TR United Kingdom
CoM signatory	Yes
Sector	Energy efficiency in buildings (residential and non-residential), building integrated renewables street lighting and transport.
Total PDS costs	EUR 1 726 328.77
ELENA contribution	EUR 1 553 695.89
Project development services financed by ELENA	<p>The Project Development Services financed by ELENA were used for the preparation of tendering procedures and contractual arrangements such as produce standard specifications and project-specific tender specifications. Feasibility studies, energy audits, and design studies were also conducted.</p> <p>The ELENA technical assistance contributed to establish legal, technical and financial framework beyond the period of the assistance programme and allowed the exchange of knowledge mainly between the municipalities involved in the project.</p> <p>The PIU was composed of the internal staff sitting within the Energy Service of Bristol City Council and staff seconded by the other involved cities. In addition, external consultants were also hired to develop several technical activities.</p> <p>The internal staff was responsible for all stages of project development up to securing of financing, including project management.</p> <p>The external provided technical assistance in specialized areas including: investment grade energy audits, tendering procedures and contractual arrangements, feasibility and design studies, energy performance contracts.</p>
Description of ELENA operation	<p>The implementation of the investments was mainly performed by the programme partners participating in SWEU, namely: Bristol, Devon, Exeter, Plymouth. Where possible the partners will investigate opportunities to run tenders and joint procurement exercises. To achieve scale up the ELENA technical assistance will look to aggregate the investment programmes of the participating authorities, including small municipalities.</p> <p>Most of the investments are expected to be implemented through standard construction contracts however several projects in public building retrofits are planned for EPC contracting.</p>
Timeframe	December 2018 – November 2022

Investment programme description	<p>The South West Energy Unit supported the implementation of a multi-sectoral investment programme, consisting of 23 investment projects, divided into five components: public buildings, housing, renewables, transport, and street lighting. At project end, the following investments were mobilized:</p> <table><tr><th>Sector</th><th>Investment [EUR million]</th><th>No of buildings / individual projects</th></tr><tr><td>Non-residential buildings</td><td>7.4</td><td>100</td></tr><tr><td>Residential buildings</td><td>19.6</td><td>650</td></tr><tr><td>Renewables</td><td>5.6</td><td>670</td></tr><tr><td>Street lighting</td><td>8.1</td><td>2</td></tr><tr><td>Transport</td><td>1.8</td><td>6</td></tr></table>	Sector	Investment [EUR million]	No of buildings / individual projects	Non-residential buildings	7.4	100	Residential buildings	19.6	650	Renewables	5.6	670	Street lighting	8.1	2	Transport	1.8	6
Sector	Investment [EUR million]	No of buildings / individual projects																	
Non-residential buildings	7.4	100																	
Residential buildings	19.6	650																	
Renewables	5.6	670																	
Street lighting	8.1	2																	
Transport	1.8	6																	
Investment in implementation phase	EUR 42,558,601.18																		
Results expected to be achieved	<p>At project end, the following results were achieved:</p> <ul style="list-style-type: none">• Energy savings of 21.57 GWh/y• Renewable energy production of 3.17 GWh/y• CO2 emissions reductions of 5 446 t CO2eq/y																		
Leverage factor achieved	27.39																		
Lessons learnt	<p>The following positive aspects were highlighted by the Final Beneficiary:</p> <ul style="list-style-type: none">• Having a project covering 3 local authorities helps to mitigate the risk of delayed Investment Projects in any one of them, as the investment gap can be covered by other local authority(ies);• The projects helped to test and implement collaborative ways of working through the monthly programme and board meetings and sharing best practise, namely:• Bristol provided good examples of developing projects from the early feasibility phase through the use of in-house energy professionals;• Devon provided good examples of working with consultants;• Plymouth introduced a strategic masterplan for city centre heat networks.• Access to a larger number of established regulated procurement frameworks and to a wider network of consultants, allowing for knowledge exchange and to improve process (e.g. procurement) efficiency. <p>The following challenges were highlighted by the Final Beneficiary:</p> <ul style="list-style-type: none">• The need to sign an Inter-Authority Agreement between BCC and the remaining Authorities involved;• There was a lengthy set-up phase of approximately 4 months, where each partner needed to agree the terms of reference of the board meetings, and a process for adopting new investment projects and accepting external consultant costs;• The final reconciliation between 3 different databases on individual investments was quite complex – as the Final Beneficiary didn't have live access to the databased from all Authorities this required lots of emails to share the relevant information about the investments mobilized.																		
Further information sources	N/A																		
Contact person at ELENA Beneficiary	Richard Lowe - Richard.Lowe@bristolcityleap.co.uk																		