



ELENA Project Factsheet

South West Energy Unit (SWEU)

Location	ELENA funded technical assistance will be provided, and the related investment programme will be implemented in South West England. ELENA programme will initially include the following local authorities: Bristol, Devon, Exeter, Plymouth. However, the programme will be open to local authorities and public sector organisations across the South West of England.
Beneficiary	Bristol City Council
CoM signatory	Yes
Sector	Energy efficiency in buildings, district heating, transport, building-integrated renewables
Total PDS cost	EUR 2 166 000
ELENA contribution	EUR 1 949 400
Project Development Services (PDS) financed by ELENA	<p>Project Development Services financed by ELENA will be used for the preparation of tendering procedures and contractual arrangements such as produce standard specifications and project-specific tender specs. Feasibility studies, energy audits, and design studies will also be conducted. ELENA technical assistance will contribute to establishing legal, technical and financial framework beyond the period of the assistance programme and will provide additional benefits in the transfer of learning from Bristol to its partners.</p> <p>It is envisaged that the energy hub would consist of two strands:</p> <ul style="list-style-type: none"> • Programme Development Unit (PDU) to prepare detailed investment grade components and • Investment Delivery Unit (IDU) to finalise investment into the bankable projects. <p>PDU and IDU will be composed of the internal staff sitting within the Energy Service of Bristol City Council and supported by the external experts.</p> <p><u>Internal staff</u></p> <p>The PDU will be responsible for all stages of project development up to securing of financing. It will consist of seven FTEs, including the head of PDU, sectoral and programme managers, lawyers and assistants.</p> <p>The IDU will be responsible for financial modelling, identification of measures to manage project risks and securing match-funding. It will consist of two FTEs, including head of IDU and an assistant.</p>

	<p><u>External experts</u></p> <p>External subcontractors will carry out technical assistance assignments in specialized areas including: investment grade energy auditors, best practice installer training programme set up and delivery, tendering procedures and contractual arrangements, feasibility and design studies, energy performance contracts.</p>
PDS Timeframe	Q3 2018 - Q3 2021
Investment programme description	<p>The South West Energy Unit will support multi-sectoral investment programme split into six components: public buildings, housing, district heating, renewables, transport, and street lighting.</p> <p><u>Programme A: Energy Efficiency in Buildings</u></p> <ul style="list-style-type: none"> • Total number of buildings to be retrofitted: 170 • Energy efficiency measures will include LED, controls and insulation, upgrade of heating and distribution <p><u>Programme B: Energy Efficiency in Homes</u></p> <ul style="list-style-type: none"> • Total number of buildings to be retrofitted: 1 000 • Energy efficiency measures will include insulation, windows & doors, boiler upgrade, full gas central heating system, heating controls <p><u>Programme C: Renewable Energy</u></p> <ul style="list-style-type: none"> • Rooftop PV on commercial and public buildings • Total expected capacity: 2 300 kWp <p><u>Programme D: District heating</u></p> <ul style="list-style-type: none"> • Length of transmission lines: 11 km <p><u>Programme F: Street lighting</u></p> <ul style="list-style-type: none"> • Replacement of 23 000 street lights with efficient LED street lights <p><u>Programme G: Transport</u></p> <ul style="list-style-type: none"> • Deploy electric vehicle charging points and solar carports in Devon
Investment to be mobilized	EUR 52m
Description of the approach to implement the Investment Programme	<p>The implementation of the investments will be the responsibility of the programme partners participating in SWEU. Where possible the partners will investigate opportunities to run tenders and joint procurement exercises. In order to achieve scale up the ELENA technical assistance will look to aggregate the investment programmes of the participating authorities, including small municipalities. 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>
Expected results	<ul style="list-style-type: none"> • Energy Efficiency – Annual total energy saved 32 GWh • Renewable Energy – Annual total 3.1 GWh of electricity generation • CO₂ reductions – Annual total reductions of 17 928 CO₂ eq t
Leverage factor (Minimum 20)	27

Market replication potential	<p>The South West Energy Unit has a potential to replicate in other British and European regions as it aggregates small counties which otherwise wouldn't have the capacity to implement the investment programme and apply for ELENA grant on their own. Bristol City Council, as an already second-time applicant, has experience in managing technical assistance and investment programme and was able to aggregate the investments from smaller partners as well as coordinate the common application. Such structure can be replicated around former ELENA beneficiaries who decide to re-apply but are willing to include other entities to complement and add value to the investment programme. SWEU can also be replicated by other municipalities around Europe which have the capacity to coordinate the programme and submit the application but are missing investments for the ELENA required investment volume, hence add the investments of partner municipalities.</p>
Status	Contract signed on 13.11.2018
Contact person at Beneficiary	Samuel Bryan