

# Green Growth Wales

Public Sector Energy Efficiency and Renewable Energy Accelerator



## Key Experience that can add value to GMCA:

- Well established partnership working
- Aggregation of projects
- Accessing funding sources, accessing funding sources, aligning projects with investors early in the development process
- Targeted expert technical, commercial, procurement and financial advice
- Streamlined and standardised procurement approaches
- Developing template businesses cases and toolkits
- Working with ELENA requirements
- Operation of a day to day support service
- Key project areas – commercial/domestic retrofit, renewable energy, street-lighting, district heating

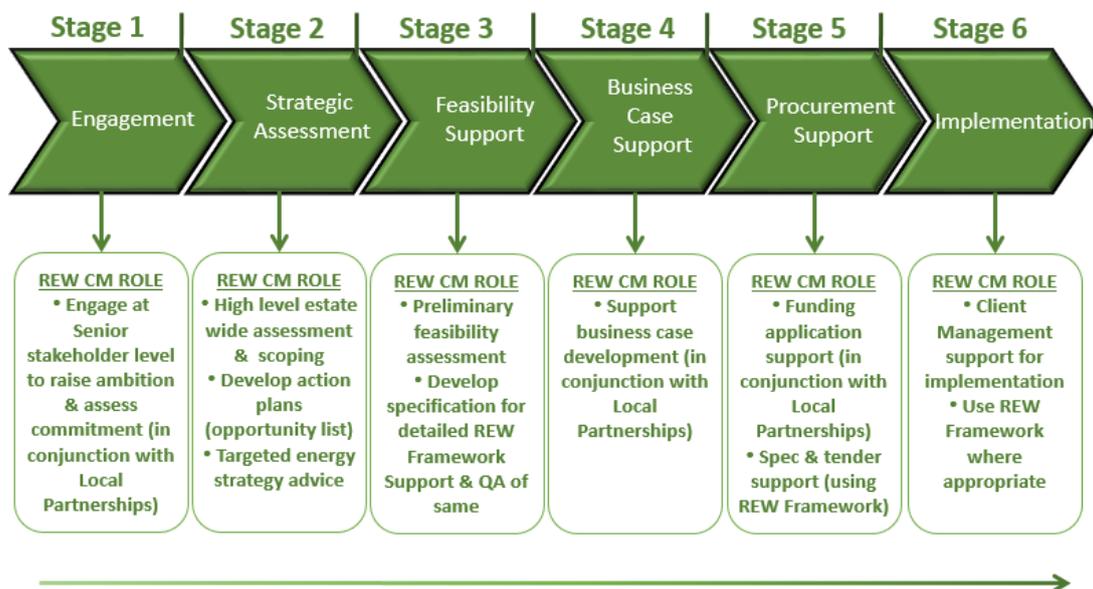
To support Welsh public sector bodies in making the most of the energy efficiency and renewable energy opportunities that exist across the public sector estate, the Welsh Government has made significant investments through the Resource Efficient Wales (REW) and Green Growth Wales (GGW) initiatives, led by Carbon Trust and Local Partnerships respectively. These support programmes are designed to identify and accelerate the implementation of energy and resource efficiency programmes and sit alongside the Wales Funding Programme (administered by Salix Finance), which provides 0% capital finance to public bodies for investments in energy efficiency and renewable energy, and the newly established RE:FIT Cymru initiative, designed to facilitate the process of completing an Energy Performance Contract (EPC), ensuring a steady pipeline of investable projects are directed to these funding and delivery vehicles. Carbon Trust play a key role in providing technical support to programme.

GREEN GROWTH WALES PROGRAMMES	
<p><b>COMMERCIAL:</b> <i>Green Growth Wales</i></p>	<p>Green Growth Wales is supported by <b>Local Partnerships</b> who act as a critical friend to public sector bodies engaging in green energy projects. The support provides <b>commercial, financial, legal and procurement expertise</b> to help grow, accelerate and de-risk the delivery of green energy projects and is funded by the Welsh Government.</p>
<p><b>TECHNICAL:</b> <i>Resource Efficient Wales</i></p>	<p>Resource Efficient Wales provides <b>technical and change client manager support</b> from the <b>Carbon Trust</b> and Wrap Cymru. The support aims to identify and develop resource efficiency and renewable energy opportunities for organisations, and mobilise public sector bodies towards implementation. Additionally, the Resource Efficient Wales OJEU procured <b>specialist support framework</b> has been developed to support further detailed feasibility study and design of projects.</p>
<p><b>FULL PROJECT DELIVERY SUPPORT:</b> <i>Re:fit Cymru</i></p>	<p>Re:fit is a UK OJEU procured framework, established by <b>Local Partnerships</b>, and is a cost effective and fast way for public sector bodies to improve energy &amp; water efficiency and generate revenue from their wider estate. This is achieved by retrofitting <b>guaranteed energy &amp; water efficiency measures and energy generation</b> systems through robust Energy Performance Contracts (EPCs). Re:fit Cymru provides comprehensive support from a <i>Programme Implementation Unit (PIU)</i> as well as a <i>Technical Support Team</i> led by the <b>Carbon Trust</b></p>
<p><b>FINANCING:</b> <i>Wales Funding Programme</i></p>	<p>The Wales Funding Programme is administered by Salix Finance Ltd and provides financing support to implement energy efficiency and renewable energy projects in Wales. The programme provides 0% capital finance via the "Salix Energy Efficiency Loans Scheme" (SEELS) and 'Invest to Save – Green Growth' financing products. There is currently £35m of finance recycling and an additional £10m to be invested this financial year.</p>

## Resource Efficient Wales (REW) Service

Since September 2014, the Carbon Trust, in partnership with WRAP Cymru, have been delivering Client Manager (CM) services to public sector organisations (and businesses) in Wales. Carbon Trust experts help businesses and public bodies to identify resource efficiency opportunities, prioritise the most appropriate opportunities for action, and take that action. We provide a range of support channels, including telephone advice and training sessions, the delivery of onsite opportunity assessment surveys, feasibility studies and business case development as well as the specification and management of detailed implementation support packages. In delivering these significant contracts for Welsh Government, Carbon Trust are responsible for pro-active engagement, marketing / communications, delivery of client support, achievement of programme KPIs and management of risk.

The key elements of support delivered by Carbon Trust experts for large-scale strategic programmes of work, such as the development of estate wide buildings energy efficiency programmes or the development of MW scale renewable energy programmes, is shown in the chart below.



## REW Impact to date

Since the REW Service for Public Bodies commenced in September 2014, Carbon Trust have supported more than 300 separate public sector interventions and have provided significant support in moving the GGW pipeline further along. Lifetime cost savings of £146 million and lifetime carbon emissions savings of 804,635 tonnes have been identified. Key areas of focus have included:

- Building specific and estate wide energy and resource efficiency programmes, focussing on all aspects of building and estate efficiency (lighting, HVAC, building fabric, renewables integration, BMS and controls, energy management and behaviour change)
- Street-lighting improvement programmes, focussing on LED upgrades and the implementation of efficient control strategies (including CMS optimisation)
- Decentralised and land based renewables, including land based solar, onshore wind, hydro, district heating, energy from waste and CHP and biomass energy programmes