

## **West Sussex County Council Energy Strategy Action Plan 2019/20 – 2021/22**

### **1. The Action Plan**

This Energy Action Plan sets out the first programme of actions for delivering the West Sussex Energy Strategy. It spans a three-year period, building on the previous action plan, and will be monitored regularly and reviewed each year to take into account progress, as well as legislative and operational change. Together these plans will help deliver the vision and objectives of the Energy Strategy.

The content of future plans will be informed by the progress and development of the current plan and the issues that emerge during the plan period, including research into suitable and relevant areas of demand, technologies available and cost implications and the contribution to carbon targets as outlined in the Sustainability Strategy.

### **2. Document Framework**

The actions that follow are listed against the four priorities and objectives of the strategy namely:

1. To reduce energy consumption and increase energy efficiency across the West Sussex County Council estate
2. To integrate energy generation and infrastructure into the development of West Sussex County Council assets
3. To work in partnership with our communities and stakeholders to tackle fuel poverty and identify affordable energy efficiency and renewable energy opportunities
4. To develop the commercial provision of energy-related services in West Sussex and ensure the creation and retention of jobs in this area

### **3. Governance and Monitoring**

Progress will be monitored and reported on a regular basis. This will include:

- Quarterly monitoring against the action plan and reporting to members
- Annual progress reporting to internal and external audience
- Annual monitoring of energy generation and installed capacity feeding into Corporate Plan targets

Link to Outcome in Energy Strategy	Objective	Action/ Initiative	Lead Service and Stakeholders	19/20	20/21	21/ 22
1. To reduce energy consumption and increase energy efficiency across the West Sussex County Council estate including schools	To deliver energy efficiency and energy reduction programmes for the County Council's corporate estate to reduce running costs and achieve carbon reduction targets;	Implement a programme to improve energy efficiency and performance within West Sussex County Council buildings (including schools)	<b>SRO:</b> Director of EWE  <b>Internal Stakeholders</b> <ul style="list-style-type: none"> <li>• Facilities Management</li> <li>• Estates Team</li> <li>• Schools project managers</li> <li>• Finance</li> </ul> <b>External Stakeholders</b> <ul style="list-style-type: none"> <li>• Teachers / premises managers</li> <li>• Governing bodies</li> </ul>	<b>For WSCC Estate:</b> Continue the roll out of LED and energy efficiency measures, working with FM to identify areas where savings can be made. Utilise Salix finance where appropriate.  Implement the Parkside CHP project (by July 19)  Investigation of behind the meter battery storage for our corporate estate and to develop business models identifying capital outlay as well as savings (Sept19)  <b>Schools:</b> Develop a	On going	On going

				<p>'package' of works to replace old and inefficient lighting and replace with LED. Engage schools and roll out</p>		
<p>2. To integrate energy generation and infrastructure into the development of West Sussex County Council assets</p>	<p>To identify the role of West Sussex County Council land in energy generation.</p>	<p>Investigate the suitability of renewable energy generation on County Council buildings, schools and land where feasible</p>	<p><b>SRO:</b> Director of EWE</p> <p><b>Internal Stakeholders</b></p> <ul style="list-style-type: none"> <li>• Estates Team</li> <li>• Finance / legal / procurement</li> </ul>	<p><b>Halewick Lane Battery storage project:</b> Obtain planning permission and approval through capital governance process. Start to commission the construction works including undertaking site demolition.</p> <p><b>Buchan Battery Storage Project:</b> Investigate initial feasibility. If feasible obtain planning permission and approval through capital governance process.</p> <p><b>Baystone Farm solar and storage project:</b> Investigate ground conditions, wayleaves and feasibility for a solar farm. If feasible apply for grid connection</p>	<p><b>Halewick Lane Battery storage project:</b> Complete site and connect to the grid</p> <p><b>Buchan Battery Storage Project:</b> Develop the project and connect to grid.</p> <p><b>Baystone Farm solar and storage project:</b> Continuation of the project if feasible. Timescale for connection to the grid will be determined by DNO.</p>	

				and start planning process.		
2. To integrate energy generation and infrastructure into the development of West Sussex County Council assets	To develop and deliver Project Smarthubs – an Innovate UK funded programme of work to develop renewable assets and a smart grid for the County.	Work with SMEs and local authority partners to develop an ambitious programme of work consisting of eight interlocking projects over 3 years: 1. Large 2nd life Battery storage project 2. Array of solar and 1st life battery storage installations across commercial and domestic properties 3. Large hydrogen refuelling station at Horsham Blue Light Centre 4. Array of EV charging and Vehicle to Grid charging infrastructure serving EV fleet 5. Marine Source Heat Pump and Heat Network serving Western Harbour Arm of Shoreham Harbour 6. Array of	<b>SRO:</b> Director of EWE  <b>Internal Stakeholders:</b> <ul style="list-style-type: none"> <li>• Finance/ legal/ procurement</li> <li>• Planning Team</li> <li>• Estates Team</li> <li>• OPE team</li> <li>• Fire Service</li> </ul> <b>External Stakeholders:</b> <ul style="list-style-type: none"> <li>• A+W Borough Council</li> <li>• Horsham DC</li> <li>• Shoreham Port Authority</li> <li>• SMEs</li> <li>• UKPN</li> <li>• Flextricity</li> <li>• Carbon Energy Fund</li> <li>• PPS</li> <li>• Faithful and Gould</li> </ul>	Undertake a Masterplanning process to determine timescales, priorities, risks and issues.  Launch project Smarthubs and create a comms and stakeholder plan.  Undertake feasibility studies where required.  Start to develop third party funding packages and to attract third party and grant finance.  Develop a strategic outline business case for capital funding as well as individual business cases for projects where WSCC investing.		

		Hybrid Heating system installations across commercial and domestic properties 7. New procurement pathway for public-sector smartgrids 8. Optimisation of smartgrid with existing public-sector contracts and supply chain				
3. To work in partnership with our communities and stakeholders to tackle fuel poverty and identify affordable energy efficiency and low carbon energy opportunities	Work with businesses and business parks to support a programme to reduce energy consumption through the BISEPs project	Work with Manor Royal Business Park to identify feasibility studies for renewable energy generation through the BISEPs project  Work with HNDU, CBC, and Manor Royal BID and businesses to deliver the district heat network feasibility study for identified clusters at Manor Royal  Identify other suitable business parks via a business park study	<b>SRO:</b> Director of EWE  <b>Internal Stakeholders</b> <ul style="list-style-type: none"> <li>• Economy Team</li> <li>• Finance/legal/procurement</li> <li>• YES team</li> </ul> <b>External Stakeholders</b> <ul style="list-style-type: none"> <li>• Manor Royal BID</li> <li>• Crawley BC</li> <li>• Businesses and landlords</li> <li>• Suitable business parks (e.g. Lancing BID)</li> <li>• HNDU</li> <li>• EU project</li> </ul>	Facilitate development of ready to implement renewable energy solutions for businesses on Manor Royal.  Explore the option of developing a Local Energy Community (Central Energy Management Company) at Manor Royal  Development post project funding scheme for upkeep and use of the BISEPS model and process		

			partners	Develop roll-out and stakeholder engagement strategy and associated materials.  Roll-out BISEPS model and process to other suitable business parks (e.g. Lancing BID)		
3. To work in partnership with our communities and stakeholders to tackle fuel poverty and identify affordable energy efficiency and low carbon energy opportunities	Support the on-going roll out of the Sussex Energy Tariff and the development of a fuel poverty fund	Work with local authorities and housing associations to promote the on-going roll out of the Sussex tariff.	<p><b>SRO:</b> Director of EWE</p> <p><b>Internal Stakeholders</b></p> <ul style="list-style-type: none"> <li>• Legal Services</li> <li>• Finance</li> <li>• Community teams</li> <li>• YES team</li> </ul> <p><b>External Stakeholders</b></p> <ul style="list-style-type: none"> <li>• District and Boroughs</li> <li>• Neighbouring authorities including ESCC and B+H</li> <li>• Church of England Diocese</li> </ul>	<p>Ongoing promotion of benefits of switching</p> <p>Ongoing management and marketing of Your Energy Sussex to increase customer acquisitions</p> <p>Establish Fuel Poverty Fund and agree principles with partners</p> <p>Increase number of void service clients</p>	<p>Ongoing promotion of benefits of switching</p> <p>Ongoing management and marketing of Your Energy Sussex to increase customer acquisitions</p> <p>Fund local fuel poverty projects through YES FP Fund</p>	<p>Ongoing promotion of benefits of switching</p> <p>Ongoing management and marketing of Your Energy Sussex to increase customer acquisitions</p> <p>Fund local fuel poverty projects through YES FP Fund</p>
4. To develop the commercial provision of low carbon energy and energy-related services in West Sussex and	To develop key, strategic relationships with the District Network Operators (DNOs) to ensure the	Develop key relationships with the National Grid, UK Power Networks and SSE to improve South Coast energy	<p><b>SRO:</b> Director of EWE</p> <p><b>Internal Stakeholders</b></p> <ul style="list-style-type: none"> <li>• Energy and Data Manager</li> </ul>	Start the long term discussion about planning for energy infrastructure along South Coast and how to	On-going	On-going

ensure the creation and retention of jobs in this area	energy infrastructure needs of West Sussex are being met	infrastructure and plan for future energy need	<b>External Stakeholders</b> <ul style="list-style-type: none"> <li>• UKPN</li> <li>• SSE</li> <li>• National Grid</li> </ul>	overcome issues such as infrastructure upgrades and grid connection challenges		
4. To develop the commercial provision of low carbon energy and energy-related services in West Sussex and ensure the creation and retention of jobs in this area	To develop new finance models (such as social bonds and ESCOs) to increase investment in the West Sussex low carbon economy.	Work with finance advisors and specialists to investigate and analyse the benefits and opportunities for developing new financing mechanisms to take forward our work	<b>SRO:</b> Head of Commercial Finance  <b>Internal Stakeholders</b> <ul style="list-style-type: none"> <li>• Finance</li> <li>• Legal services</li> <li>• Energy and data Manager</li> </ul> <b>External Stakeholders</b> <ul style="list-style-type: none"> <li>• Learn from elsewhere in UK e.g Swindon / Bristol</li> <li>• Coast to Capital LEP</li> <li>• Carbon Energy Fund</li> </ul>	Investigate offers on the market e.g. Aviva Green Bond schemes, Swindon Energy Bonds, Bristol Investment Prospectus  Develop feasibility for opportunities for SPV / JV to aid roll out of projects	Finance packages and models tested internally.	On-going