

## Zero Carbon and Nature Rich: Herefordshire's Action Plan for Energy 2021

Key:	Existing action	In development	Proposal - needs resourcing
------	-----------------	----------------	-----------------------------

Action	Details	Status	Enabling/lead partner	Delivery partners	Funding	Project start date	Project end date	Ongoing Progress
Engagement 1	Policy- Work with relevant bodies to influence national and local policy.	Existing action	The Marches Local Enterprise Partnership (LEP) Energy Strategy Steering Group	Energy Hub, Herefordshire Council, Trade Bodies	TBC	2020	2030	Programme to work out what policies required across the energy supply are required. Budget and resources also needed.
Engagement 2	Communications - Key 'reduction' energy messages to ensure everyone can be brought along on the net-zero journey.	In development	Community Energy Groups	Herefordshire Council, Community Energy Groups / Energy Co-operatives	TBC	2020	2030	Many groups signposted to Community Renewal Funding. Potential for projects at a county level. Signpost to external Herefordshire Council website
Engagement 3	Community Energy approach could be adopted to better manage energy locally and increase engagement. Develop links to community energy projects.	In development	Community Energy Group / Herefordshire Green Network	Herefordshire Council, Community Energy Groups / Energy Co-operatives / Community leaders	TBC	2020	2030	Many groups signposted to Community Renewal Funding. Potential for projects at a county level.
Infrastructure 1	Inform and collaborate on capacity constraints by adding resilience to electricity and gas distribution networks. Continue to work with Western Power Distribution (WPD) and Cadent Gas on the delivery of their net-zero plans. Through their investment plans, push for more ambitious targets to help meet Herefordshire's 2030 target.	Existing action	Energy Hub / Herefordshire Council	OFGEM, WPD, Herefordshire Council, Midlands Energy Hub	TBC	2020	2025	Midlands Energy Hub to continue discussions with WPD and Cadent
Infrastructure 2	Ensure that storage capacity on the distribution network is increased in order to enable flexible connections and support more distributed renewable energy generation. Work with WPD to understand new Flexible Power arrangements for Herefordshire.	Existing action	Energy Hub / Herefordshire Council	OFGEM, WPD	TBC	2020	2025	Midlands Energy Hub to continue discussions with WPD
Infrastructure 3	Work with WPD to reduce energy demand through the use of new technology such as by the use of SMART grids. Projects that enable additional renewable energy installation or flexibility should be built into the system.	Existing action	Energy Hub / Herefordshire Council	WPD, Herefordshire Council, Community Groups	Department for Business, Energy & Industrial Strategy (BEIS)	2020	2030	Midlands Energy Hub to continue discussions with WPD
Buildings 1	Heat -Reduce the energy required to power buildings by following energy hierarchy. (Solutions are likely to vary depending on existing infrastructure, energy demand and sources of fuel).	In development	Herefordshire Council	Midlands Energy Hub, Severn Wye Energy Agency, Herefordshire Council, Social housing providers, WPD	Commercial and private investment, Marches Renewable Energy Project (MarRE), Sustainable Energy in Public Buildings programme, Clean Growth Fund, Green Homes Grant (GHG) Renewable Heat Incentive (RHI)	2020	2030	HUG Phase 1 funding was launched alongside Local Authority Delivery (LAD2) scheme under the Sustainable Warmth competition with delivery expected to run from early 2022 to March 2023. Local Authority Delivery projects 1 are ongoing for delivery before March 2022. Push for extension of MarRE and BEEP programmes
Buildings 2	Power - The push to increase in heat pumps and electric vehicles is likely to increase potential power demand.	Existing action	Herefordshire Council	Marches LEP, BEIS, Midlands Energy Hub, Severn Wye Energy Agency, Herefordshire Council	Decarbonisation funding, RHI, Green Homes Grant	2020	2030	Strategies will push this change
Transport 1	Behaviour - Support opportunities to reduce emissions from transport by reduction in overall mileage.	Existing action	Herefordshire Council	Herefordshire Council, Community engagement, BEIS, OFGEM, Energy Hub	TBC	2020	2030	Promotion of non car alternatives
Transport 2	Infrastructure - Significant alteration to existing infrastructure is required to enable complete decarbonisation of transport. Understand level of ambition for non-fossil fuel transport in Herefordshire and consequently required infrastructure.	Proposal- needs resourcing	Herefordshire Council	BEIS, OFGEM, WPD, Trade Bodies	TBC	2020	2030	Procurement of concession contract for EV vehicle charging points to go live August 2021

<b>Transport 3</b>	Future Fuels - Range of fuel options are likely to be required to fulfil varied transport requirements. Adopt fuelling strategy to understand potential for alternative transport fuels	Proposal-needs resourcing	Herefordshire Council	Trade bodies, research institutions, BEIS	TBC	2020	2030	To establish a role for Hydrogen and other fuels in Herefordshire
<b>Generation 1</b>	Power - Distribution resource potential is maximised as per Marches Energy Strategy and broadly aligned to the Future Energy Scenario (FES) 2020 "Leading the Way" Scenario. Work with WPD and Cadent to maximise potential for renewable generation in Herefordshire.	In development	Herefordshire Council	WPD, CADENT, Herefordshire Council, Community Energy	Shared Property Fund, Central Government Grants schemes, Private finance mechanisms	2020	2030	Engage with WPD through their RIO consultations.
<b>Generation 2</b>	Technology - Range of technologies is incorporated at different levels appropriate to location. Identify opportunities to utilise renewable technologies that might be appropriate to Herefordshire.	Proposal-needs resourcing	Herefordshire Council	BEIS, Community Energy, Installers, OFGEM, WPD	BEEP / MarRE / Green Homes Grant, Shared Property Fund, Central Government Grants schemes, Private finance mechanisms	2020	2030	Continue to promote different technologies as part of local grant schemes.
<b>Offsetting 1</b>	Sequestration - Understand extent of opportunities for sequestration through e.g. increase energy potential of BioChar.	Proposal-needs resourcing	Herefordshire Council	Various suppliers and green finance	TBC	2020	2025	To assess the need and make a plan to supply and finance
<b>Offsetting 2</b>	Green Tariffs - Identify the potential of offering green energy to Herefordshire residents	Proposal-needs resourcing	Herefordshire Council	Various suppliers and green finance	TBC	2020	2025	To assess the need and make a plan to supply and finance
<b>Offsetting 3</b>	Offsetting credits - Link with external organisations to offset any remaining emissions from energy.	Proposal-needs resourcing	Herefordshire Council	Various suppliers and green finance	TBC	2020	2025	To assess the need and make a plan to supply and finance