

Climate-Pack

Climate Emergency Resource Pack for Shropshire

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Shropshire Council Climate Change Pages

Please see our Climate Change and Sustainability pages for further updates:

<http://shropshire.gov.uk/climate-change-and-sustainability/>

Also please several relevant sections under Environment and Planning:

- [Building Control](#)
- [Drainage and Flooding](#)
- [Environment](#)
- [Environmental Health](#)
- [Funding Opportunities](#)
- [Historic Environment](#)
- [Information Intelligence and Insight](#)
- [Natural Shropshire](#)
- [Planning Policy](#)
- [Recycling](#)

Commercial Buildings Efficiency

[Carbon Trust](#): An independent expert in carbon reduction and commercializing low carbon technologies.

[Building Regulations Part L](#): Building regulation in England setting standards for the energy performance of new and existing buildings.

[DEC \(Display Energy Certificate\)](#): Guidance about the regulations for Display Energy Certificates of public buildings.

Non-Domestic EPC Register (hosted by MHCLG): <https://www.ndepcregister.com>

[MEES \(Minimum Level of Energy Efficiency' standards\)](#): Guidance to landlords of privately rented domestic and non-domestic properties.

[BREEAM \(Building Research Establishment Environmental Assessment Method\)](#): BREEAM recognizes and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use and refurbishment.

[SBEM \(Simplified Building Energy Model\)](#): SBEM is a software tool developed by BRE that provides an analysis of a building's energy consumption. It is used for non-domestic buildings in support of the National Calculation Methodology (NCM), the Energy Performance of Buildings Directive (EPBD) and the Green Deal: <http://www.uk-ncm.org.uk/>

[Historic England: Efficiency and Environmental Management of Listed Buildings](#)

Free to download: a suite of technical advice and guidance on improving the energy efficiency of historic buildings. The drivers to improve energy efficiency are:

- Reduce carbon emissions and fuel bills.
- Improve comfort levels.
- Comply with statutory requirements such as Part L of the Building Regulations or the Private Rented Sector Regulations.

[Save Money Cut Carbon](#): Practical steps towards sustainable solutions for homes and businesses. This service to helps deliver everything required to save money and cut carbon.

Domestic Energy Efficiency

[Keep Shropshire Warm](#)

The average household wastes £250 a year. Poor insulation, inefficient appliances and bad habits are costing you money. To counter this, Keep Shropshire Warm offers free and impartial advice on:

- Grants and discounts to help finance affordable warmth measures
- Energy efficiency **and lots more...**

<https://newsroom.shropshire.gov.uk/2020/04/keep-shropshire-warm/>

[Warm Homes Fund](#)

Over 300 households across Shropshire and Herefordshire are set to benefit from affordable heating thanks to funding from the Warm Homes Fund.

[Energy Saving Trust](#): “We are a leading and trusted organization helping people save energy every day”

[Domestic EPC Register](#) (hosted by Ministry of Housing Communities and Local Government).

[EPC \(Energy Performance Certificate\) – OFGEM Guidance](#): An Energy Performance Certificate is required for properties when constructed, sold or let. It provides details on the energy performance of the property and what you can do to improve it.

[OFGEM](#): Consumer protection and government regulation household and business energy.

[Marches Energy Agency](#): Are an independent charity supporting communities in the Midlands. MEA deliver practical solutions to reduce fuel poverty and cold homes, promote energy reduction and encourage the uptake of renewable energy. Over 75,000 households struggling to stay warm in the areas we support. With partners, we are working hard to tackle this.

[Save Money Cut Carbon](#): Practical steps towards sustainable solutions for homes and businesses. This service to helps deliver everything required to save money and cut carbon.

Funding Opportunities

1. **[Business Growth Programme 2](#)** : Grant support for individuals and businesses looking to start, grow and expand in the Marches LEP area.
2. **[BEEP \(Business Energy Efficiency Programme\): BEEP \(Business Energy Efficiency Programme\)](#)**
The Business Energy Efficiency Programme (BEEP) is available throughout Herefordshire, Shropshire and Telford & Wrekin offering FREE energy assessments and grants to small and medium sized enterprises (SMEs). SMEs who use energy more efficiently, reduce costs and improve environmental credentials. Lowering your energy bills can make a big difference to your business bottom line, so if you are looking to cut costs, we can help.

<https://www.marchesgrowthhub.co.uk/finance-and-funding/business-energy-efficiency-programme/>
3. **[Community Energy – Sharenergy](#)**:
Community Energy schemes have been set up across the UK. Where people within a local community come together to develop an energy project, with capital raised by selling shares. [Sharenergy](#) is a local organisation that provides support to groups to help develop and build their community energy scheme.
4. **[Low Carbon Opportunities Programme \(LoCoP\)](#)**: If your business is looking to implement a large-scale renewable energy project or has the potential for high-tech green growth, support may be available to help your business grow.
5. **[MarRE](#)**: The Marches Renewable Energy (MarRE) project is accepting formal expressions of interest. Grants are provided to support renewable energy installations of between 4 -200 kWp. Part-funded by the European Regional Development Fund. The project runs for two and half years from 1 July 2019 to 31 December 2021. Eligible applicants can apply for a 50% grant towards the installation of eligible renewable technologies on their premises. Grants will only be awarded for new installations at existing premises. Retrospective applications are not eligible, and no work should start until written approval is agreed. <https://www.shropshire.gov.uk/funding-opportunities/marches-renewable-energy-project/>
6. **[Marches Growth Hub](#)**: Your Gateway to Business Support: The Growth Hub is the portal for businesses to use to access help and support, including information on grants.
7. **[OLEV Grants – home charging points for Electric Vehicles](#)**
 - a. <https://pod-point.com/guides/driver/olev-grant>
 - b. <https://www.carwow.co.uk/scrappage-scheme>
8. **[Rural Community Energy Fund](#)** A revised £10million programme, to support rural communities in England to develop renewable energy projects, has now been announced. Please visit this website for further details. <https://www.gov.uk/guidance/rural-community-energy-fund>
9. **[SEPuBu: Sustainable Energy in Public Buildings](#)**
A Marches-wide Programme (2017-2020) match funded scheme for local authorities to assist innovative retrofitting of public buildings to improve their energy efficiency thereby saving carbon and running costs. Eligible projects apply for a capital contribution to cover up to 50-60 percent of an efficiency project. The European Regional Development Fund (ERDF) was established by the European Union. It helps local areas stimulate their economic development by investing in projects which will support innovation, businesses, create jobs and local community regenerations.
10. **[SALIX](#)** Offers zero interest finance for low carbon energy efficiency or renewable energy projects across the public sector including schools, Town and Parish Councils and local authorities: <https://www.salixfinance.co.uk/>

Government Departments - Climate Change

[DBEIS \(Department for Business Energy & Industrial Strategy\)](#)

For the Government Latest guidance: including [The Clean Growth Strategy, and regional statistics.](#)

[DEFRA Department of Environment, Food and Rural Affairs \(DEFRA\)](#)

25 Year Environment Plan and related directives in waste, natural resources and agricultural.

[Ministry of Housing Communities & Local Government \(MHCLG\)](#)

Directives and guidance for built environment: commercial and domestic sectors and communities to live and work, and to give more power to local people to shape what happens in their area.

[DfT \(Department for Transport\) Decarbonizing Transport: Setting the Challenge](#)

How the Government intends to work with others to develop a transport decarbonization plan. The challenge we need to meet to reduce transport emissions and ensuring we reach net zero transport emissions by 2050 reviews of existing climate policy in transport reviews of existing forecasts of future transport emissions from each mode of transport, plus as a whole

[Office for Environmental Protection \(OEP\):](#)

Through the Environment Bill – which is expected to be passed into legislation in 2020 - the OEP will be “a powerful new independent regulator that will hold the government to account, including through the courts if necessary.”

National Resources

[Centre for Alternative Technology](#)

All emissions that can go to zero must go to zero – as rapidly as possible. Not just from electricity, but also from heat, transport, industry and land-use. We have the tools to do it. CAT’s Zero Carbon Britain research clearly demonstrates that we already have all the technologies we need to achieve zero carbon emissions by 2050 – or even earlier.

[Centre for Sustainable Energy](#)

We are an independent national charity that shares our knowledge and experience to help people change the way they think and act on energy.

[Ashden](#)

Ashden supports and promotes sustainable energy enterprises from around the world. Our mission is to accelerate transformative climate solutions and build a more just world.

[Tyndall](#)

We provide evidence to inform society’s transition to a sustainable low-carbon and climate resilient future. The Tyndall Centre is a partnership of universities bringing together researchers from the social and natural sciences and engineering to develop sustainable responses to climate change. We work with leaders from public and private sectors to inform decisions on mitigating and adapting to climate change.

Midlands and Marches Resources

[Sustainability West Midlands](#)

Sustainability West Midlands is the sustainability champion for the West Midlands. We are a not-for-profit company that works with our members in the business, public and voluntary sectors. Our role is to act as a catalyst for change through our advice to leaders, to develop practical solutions with our members and share success through our communication.

[Midlands Energy Hub](#)

The support we are providing to local authorities and LEPs will provide resource to understand and utilize energy opportunities and challenges in their local area, undertaking the initial stages of development for priority projects.

[Marches LEP Energy Strategy](#)

The Marches Local Enterprise Partnership (LEP) recognizes energy provision can impose a barrier to economic growth. Energy generation and consumption in the UK is changing and it is important to understand this when setting out a strategy for future energy use in the Marches. The current energy infrastructure is already at capacity in many areas and this presents both a threat to future business and housing development but also an opportunity to invest in innovation that can overcome these challenges while providing a unique selling point for those in the energy supply chain to invest.

[UCS CREST](#) University Centre Shrewsbury provides research and innovation support to small and medium enterprises across Shropshire it can also help them access grants to assist prototyping, etc.

Shropshire Community Groups

Find a local community interest group you can get involved in. If there isn't a group in your town or village, why not start one?

Green Shropshire Xchange: <http://www.greenshropshireexchange.org.uk/>

Green Shropshire Xchange is the Environment network of local groups in Shropshire and Telford and Wrekin promoting communication and education about Climate Change and Sustainable Living.

Sustainable Newport Shropshire (previously called Newport 21):

<http://sustainablenewportshropshire.org/>

Sustainable Newport Shropshire is a group of residents from Newport and the surrounding villages concerned about plastics, pollution, climate change, fossil fuel dependency and how to live more sustainably. Our aim is to increase awareness of the impact we have on our world and help businesses and residents find ways to reduce their impact.

Ludlow 21: <http://www.ludlow21.org.uk/>

Ludlow 21 is a local voluntary group established in 1998 to promote sustainable living in the Ludlow area within a fair and just global society. We are an independent body with no political or council ties.

South Shropshire Climate Action Group: <https://shropshireclimateaction.co.uk/>

Creating a climate action plan for the Ludlow constituency

Stretton Climate Care: <http://strettonclimatecare.org.uk/>

Think Global, Act Local – A Community Action Group in it for the Long Haul...

Shropshire Community Energy

Sharenergy: <https://www.sharenergy.coop/>

Community Energy schemes have been set up across the UK. Where people within a local community come together to develop an energy project, with capital raised by selling shares. Sharenergy is a local organization that provides support to groups to help develop and build their community energy scheme.

Twemlows Community Energy: <https://www.next-generation.org.uk/twemlows>

Twemlows solar farm near Whitchurch has been operating since 2015. Some of its funds already support great projects around the county - including Blackberry Fair. There's now an opportunity for the local community to own and manage the solar farm. The profits could generate a £1.9 million fund to be spent in the local area over the next 20 years.

Shropshire and Telford Community Energy (STCE): <https://stcenergy.org.uk/>

STCE is set up as a Community Benefit Society to develop and own community energy projects in Shropshire and Telford.

Natural Environment

25 Year Environment Plan (25 YEP): A Green Future: Our 25 Year Plan to Improve the Environment. <https://www.gov.uk/government/publications/25-year-environment-plan>

In addition to the main plan there is a useful paper on how success towards the plan will be evaluated and what indicators and measures will be recorded. This includes a list of indicators which could suggest successful adaptation, the need for adaptation or resilience of natural assets to climate change:

<https://bit.ly/25YEP-climate>

Natural Capital Committee: <https://www.gov.uk/government/groups/natural-capital-committee>

The NCC oversee the progress of the 25 YEP. They produce useful annual reports. They have also produced “Natural Capital Committee advice on reaching net zero by 2050: nature based interventions”:

<https://www.gov.uk/government/publications/a-natural-capital-approach-to-attaining-net-zero-nature-based-interventions>

Multi-Agency Geographic Information for the Countryside (MAGIC):

<https://magic.defra.gov.uk/>

The MAGIC website provides geographic information about the natural environment from across government. The information covers rural, urban, coastal and marine environments across Great Britain. It is presented in an interactive map which can be explored using various mapping tools that are included. Users do not require specialist software and can access maps using a standard web browser. For example, here is a link to a map of National Nature Reserves and Sites of Special Scientific Interest in the Long Mynd area: <https://bit.ly/3bOlysw>. You can use the information tool to find out what condition different parts of the site are in.

National Biodiversity Network Atlas: <https://nbnatlas.org/>

A web-based map and database of species locations. Covers all species known in Shropshire with few exceptions. It can be patchy in other parts of the UK.

Natural Environment Valuation Online (NEVO): <https://www.leep.exeter.ac.uk/nevo/>

A map-based collection of models providing figures on the value of aspects of the natural environment. It includes predictions by decade up to 2050-2060. Models include: Agriculture; Timber; Carbon (soil and vegetation); Recreation; Biodiversity; Water. A webinar detailing its use is available here:

<https://vimeo.com/300268123>

Outdoor Recreation Valuation Tool (ORVal): <https://www.leep.exeter.ac.uk/orval/>

ORVal reports values and visit estimates for existing and new greenspaces that are derived from a sophisticated model of recreational demand in England and Wales. These numbers are predictions of a model and not actual counts of visits to green spaces or actual measures of the welfare which that greenspace provides. You can use their own mapped areas of greenspace or paths, or map / upload your own to provide assessments for the status quo or scenarios for the future.

Greenkeeper Tool: <http://www.greenkeeperuk.co.uk/>

How to you raise the profile of urban greenspace? Is it currently adequately valued? Related to ORVal but focused on urban greenspace, and a bit more advanced, this tool can “model the

environmental, economic and social 'value' of green infrastructure. It can identify the complete value of a single green space or review a portfolio".

Shropshire Council online maps: <https://shropshire.maps.arcgis.com/apps/PublicGallery/index.html>

A collection of maps including:

- [Outdoor Recreation Map](#) - additional resources are available from the Shropshire's Great Outdoors web site: <http://www.shropshiresgreatoutdoors.co.uk/>
- [Shropshire Environmental Network map](#) (a precursor to the Nature Recovery Network);
- [habitat maps](#) (Phase 1) of several parts of Shropshire as mapped by community groups;
- [Air Pollution Monitoring](#)
- [Accessible Natural Greenspace map](#)
- [Location of Household Recycling Centres](#)

Re-wilding: Rewilding & Climate Breakdown: How restoring nature can de-carbonise the

UK: <https://www.rewildingbritain.org.uk/our-work/rewilding-vs-climate-breakdown>

This document includes some useful estimates for carbon stored in different habitats.

Marches Ecosystems Assessment: <http://bit.ly/MEA-report>

The Marches Nature Partnership commissioned a provisional assessment of the value of the natural environment of the Marches area (Shropshire, Telford & Wrekin, and Herefordshire). This includes an estimate of the value of the carbon stored both above and below ground in Shropshire. Also, the provision of Accessible Natural Greenspace (an ANGSt+ assessment).

Environmental Land Management scheme (ELMS)

Farmers will increasingly be paid to provide 'public goods' beyond just food. This will include carbon storage in soils and trees and provision of access to their land. A presentation from Defra about the new scheme is available here: <http://publications.naturalengland.org.uk/file/4764267014520832>

Resource Management

Please refer to [our website and recycling policy](#) for further information including reference to single-use-plastics. Both domestic and commercial recycling is delivered by our service provider: [Veolia Shropshire](#)

- [Location of Household Recycling Centres](#)

[Warp-it:](#) (Waste Action Re-use Portal) We have initiated a re-use distribution network for repurposing stationary, furniture and other office equipment. This service helps to repurpose and relocate office furniture and equipment to where it is needed. This service is available for use by and public sector only; Shropshire Council service areas, Town and Parish Councils and schools. So, if you are one of these parties, please register your interest here: <https://www.warp-it.co.uk/company/shropshirecouncil>

For more information please see the informative YouTube videos:

- <https://www.youtube.com/watch?v=3PYt47dZYcE&feature=youtu.be>
- <https://www.youtube.com/watch?v=t-SafQtTOdM>

[DEFRA Waste Strategy](#) : This strategy sets out how we will preserve material resources by minimizing waste, promoting resource efficiency and moving towards a circular economy in England.

Recycling Guidance and Resources

[WRAP – Waste and Resources Action Programme - At the forefront of the circular economy](#)

Find out how you can achieve [economic benefits](#) and [resource efficiency](#).

[Plastic Free Communities](#) (hosted by Surfers Against Sewage).

It's about kicking our addiction to avoidable single-use plastic and changing the system that produces it. We're creating the Plastic Free Community network to free where we live from single-use. Together we're tackling avoidable single-use plastic, from the beach all the way back to the brands and businesses who create it.

Renewable Energy

National Grid Live Energy Mix Watch the [“Greening of the Grid”](#) as we increase our renewable and low carbon energy sources and decarbonize our electricity towards 2030

Solar PV (Photo-Voltaic)

- <https://www.energysavingtrust.org.uk/renewable-energy/electricity/solar-panels>
- <https://www.gov.uk/government/publications/power-to-the-pupils-solar-pv-for-schools>

Wind

- <http://www.energysavingtrust.org.uk/renewable-energy/electricity/wind-turbines>
- <https://www.gov.uk/guidance/onshore-wind-part-of-the-uks-energy-mix>

Hydro

- <http://www.british-hydro.org/>
- <https://www.gov.uk/guidance/harnessing-hydroelectric-power>

RHI (Renewable Heat Incentive)

- <https://www.ofgem.gov.uk/environmental-programmes/domestic-rhi/contacts-guidance-and-resources/tariffs-and-payments-domestic-rhi/current-future-tariffs>
- www.energysavingtrust.org.uk/scotland/grants-loans/renewables/renewable-heat-incentive
- <https://renewable-heat-calculator.service.gov.uk/>

Biomass

- <http://www.energysavingtrust.org.uk/renewable-energy/heat/biomass>
- <https://www.carbontrust.com/resources/tools/biomass-decision-support-tool/>
- <https://www.gov.uk/find-fuel-supplier>

Heat Pumps

- <http://www.energysavingtrust.org.uk/renewable-energy/heat/ground-source-heat-pumps>
- <http://www.energysavingtrust.org.uk/renewable-energy/heat/air-source-heat-pumps>

Solar Thermal (Hot Water)

- <http://www.energysavingtrust.org.uk/renewable-energy/heat/solar-water-heating>

CHP (Combined Heat and Power or co-generation)

- <https://www.gov.uk/guidance/combined-heat-and-power>

Sustainable Transport and Active Travel

[Shropshire Cycle Hub](#)

A community charity helping to improve access to sustainable transport.

[Sustainable Transport Shropshire](#)

An active group that lobbies for improved public transport, better cycling provision and e-bikes.

[Centre for Sustainable Transport](#)

If you are looking for advice or support at the intersection of some of the key strands in sustainable transport — energy efficiency, vehicle emissions, “mobility as a service” and demand reduction — you are probably in the right place. Centre for Sustainable Transport Ltd (C4ST) consists of three experienced transport professionals who have often worked together on projects but also have separate commissions — in consultancy and advisory roles — with a range of transport and mobility projects.

[Shropshire Sustainable Transport Package - Briefing Note](#)

The Shropshire Sustainable Transport Package is £5M grant funded project that will run over the next 3 years. The funding will be made available on delivery of a specific package of measures designed to encourage more sustainable travel behaviour whilst supporting the local economy and cutting carbon emissions.

[Active Travel Briefing for Local Authorities](#)

This briefing is for transport planners and public health practitioners and sets out the benefits of active travel.

[Sport England – Active Travel](#)

[Shropshire Sustainable School Travel Strategy](#)

[Assistance for Special Education Needs \(SEN\) transport](#)

[Sustrans](#)

“Our society faces some profound challenges. From climate change and air pollution to physical and mental health crises, the pressures on communities across our four nations are growing. There is no silver bullet but the work of Sustrans and our partners provides an essential contribution to tackling the challenges of our time”.

Sources of Data

UK local authority and regional carbon dioxide emissions national statistics:

<https://www.gov.uk/government/collections/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics>

The aim of these statistics is to provide the most reliable and consistent possible breakdown of CO2 emissions across the country, using nationally available data sets going back to 2005.

Digest of UK Energy Statistics:

<https://www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes>

An essential source of energy information. Extensive tables, charts and commentary. Separate sections on coal, petroleum, gas, electricity, renewables and combined heat and power a comprehensive picture of energy production and use over the last 5 years, with key series taken back to 1970.

Tyndall Carbon Budget Tool: <https://carbonbudget.manchester.ac.uk/reports/>

The Tyndall Carbon Budget Tool presents climate change targets for UK local authority areas that are based on the commitments in the United Nations Paris Agreement, informed by the latest science on climate change and defined by science-based carbon budget setting.

Others to add in due course...