

Climate Action Workshop

Presentations Pack

Event 2

13th October 2021

Climate Action

Event Summary Report 13th October 2021

Welcome

Tony Green welcomed all to the event and thanked attendees and speakers for their time. Tony mentioned the event that had been held on the 6th October and explained that the session would build on the information shared. Tony ran through the running order for the session and introduced Cllr Ian Nellins, Shropshire Council's Portfolio Holder for Climate Change, Natural Assets and the Green Economy to open the event.

Introduction and Climate Change Overview

Cllr Ian Nellins provided a re-cap on some of the main points from the event on the 6th October. He summarised the most important points from the presentation he gave, and the presentation delivered by Adrian Cooper. He spoke about the need for that important baseline position, recognising that Shropshire was emitting 1.76 million tonnes of CO₂e in 2017 and how this has reduced as a result of action. That measurement and clear setting of targets and goals means action is focused and progress is understood.

Shropshire Council's carbon performance was mentioned with direct emissions falling by 70%, largely due to a move to renewable power supply and work to improve energy efficiency in buildings, adopt new street lighting and consider the sustainability of fleet vehicles.

Cllr Nellins explained that the analysis of carbon performance means priorities can be clearly identified including road transport, industrial energy use and domestic energy use. He highlighted the work Shropshire Council is doing to maximise its corporate governance approach and use of procurement practice. Another important area of activity is work to generate renewable energy. Cllr Nellins mentioned the new solar farm in Oswestry (Maesbury Road) that will supply

power to local businesses and the partnership work taking place with local electricity suppliers. Shropshire Council has been effective at obtaining grants to work with Zero Carbon Shropshire on local heat networks with the aim of decarbonising heating in Shrewsbury town centre and north Shrewsbury.

The event on the 6th October had highlighted interest in the work taking place around biodiversity, carbon capture and storage, and active travel so these were themes included in more depth within the presentation. Cllr Nellins briefly described the biochar production work covered at the last session and went on to cover [tree planting](#) in more detail. He explained that there are three schemes in place, the Queen's Green Canopy, Community Tree Scheme and Trees Outside Woodlands. Applications for trees can be made on the Council's website.

Cllr Nellins described the flooding that has taken place in Shropshire and how the ability to adapt to extreme weather will be necessary. He spoke about the need for public services to respond to weather events, how planning and design can mitigate risk and the need for public realm design and management to encourage resilience. Shropshire Council will hold a short Virtual Resilience Conference on October 26th. This event will cover flood management and impact and business resilience.

The example of The Pump House Knowledge Hub was highlighted; the hub provides a space for events, training and showcases net-zero technology. It will support the target to achieve net zero buildings by 2030.

The Active Travel programme is encouraging the move from car journeys to walking, cycling and public transport. City Science has recently been awarded a tender to support the LCWIP (Local Cycling and Walking Infrastructure Plans). The LCWIP will focus on Shrewsbury, Bridgnorth, Ludlow, Market Drayton, Oswestry and Whitchurch and should be ready by March 2022. A phase of stakeholder engagement is about to be launched.

Another strand of work is the Emergency Active travel Fund covering two schemes:

- New St reallocation of one lane to create a shared use footway/cycleway and introduction of a one-way west-bound traffic lane.
- Crowmeole Lane point closure.

Cllr Nellins spoke about the Copthorne Liveable Neighbourhood Trial (CLiNT) and Porthill Liveable Neighbourhood Trial (PLiNT). These seek to implement low traffic neighbourhoods and every household within these communities has recently been consulted via household letters, community drop ins and events.

Cllr Nellins drew his presentation to a close and highlighted the continued effort that will be undertaken to achieve a zero carbon Shropshire.

Funder Commitment on Climate Change

Richard Hebditch from the [Association of Charitable Foundations](#) explained that ACF's 400 members mean there are financial assets of £50 billion and therefore significant influence to mitigate climate change. He reflected on the fact that the first COP was in 1995 when Take That issued 'Back for Good' and now, 26 years later we have the COP about to be held in Glasgow. Richard reflected on the Climate Change Act of 2008 and how there was now a need to significantly amend targets for 2050 based on an understanding that we are now facing a climate emergency.

Richard described the action that is required for net zero. Technology will help, but behaviour change is what will make the difference. We need to stop use of petrol vehicles, we will lose our gas network and need to find alternatives to gas boilers, we will need to start to implement significant home and office energy improvements now. Other action required is to cut meat and dairy consumption, reduce flights, recycle to prevent landfill, increase our carbon capture through tree planting and other methods, and decarbonise power. Richard

explained that we would have to plant 30,000ha of trees, the equivalent of 3x the size of Manchester, to have an impact towards net zero.

Richard highlighted that we have just had the warmest decade in 125,000 years and will see a very different climate in the future. He spoke about working with the National Trust where they have been planning for climate change, understanding how pests will eat tapestries and books, damage buildings and impact on the land. Flooding and heavy downpours will also threaten land and buildings more often. We have seen 48°C heat in Scilly recently, flooding in China and other extreme weather events across the world.

Extinction Rebellion have been protesting and urging people, businesses and those in power to take action. Richard expressed his fears that not enough is being done. A Scottish survey of voluntary and community sector organisations highlighted few were considering climate change important. In 2019 ACF's conference launched 'Doing No Harm' as an approach. The Funder Commitment was established including:

- Educate and learn (trustees, staff, stakeholders)
- Commit resources (accelerate work to address climate change)
- Integrate (through policies, priorities and processes)
- Investments (proactively address the risks of climate change)
- Decarbonise (reduce carbon footprint)
- Report on progress (annual measurement and learning)

The ACF funder commitment on climate change [Year 1 report](#) is now available. The results show that some have found integrating difficult but other funders have made significant progress and used their investments to deliver real impact.

ACF is offering support through networking, resources and guides, toolkits and working to address barriers to change. It must be clear that

there is now an expectation for funders and those they fund to state how they will address climate change.

Richard described why it is so important that voluntary and community sector groups act:

- Plan ahead for the rules and regulations that will be put in place.
- Understand the changes that will come as a result of climate change and the changes that are needed in society.
- Help to reduce inequality as those on lower incomes struggle to heat their homes and pay for energy efficiency measures. Represent those who have less of a voice.
- Support those who are more vulnerable and will be impacted by heat waves, drought and flooding.
- Communicate expectations and influence change.

Richard's presentation ended with the important message: act sooner rather than later.

Case Study: Shrewsbury Town Council

Helen Ball, Clerk for [Shrewsbury Town Council](#), provided a case study for addressing the climate emergency. Shrewsbury Town Council has implemented a climate action plan and declared a climate emergency. Helen described how she had been on a steep learning curve over the last 2 years. Helen had started with the question 'what do we do now?' Shrewsbury Town Council had always been frugal with resources, but it had been important to take stock and establish a baseline.

Helen described different areas of work and the actions that have been taken:

- Plant propagation: growing plants from seed, reusing plastic pots, watering with recycled water, plant choice for sustainable planting, minimum use of fungicides and pesticides, battery and electric water carts.
- Road verges (125 miles): cutting less to naturalise areas, wildflower planting and energy efficient mowers.
- Trees (100,000 approx.): tree nursery, wood mulch, water reservoirs on new highway trees, use of trees to mitigate flooding.
- Events: climate requirements for all event organisers, waste and recycling, reusable cups.
- Play: water recycling in the splash park, sensor activation, youth service education projects.
- Christmas lights: use of LEDs, timed and local purchasing through local engineers and contractors.
- Footway lights: LED, timers to dim lights, introduction of new solar lighting, lighting within Victorian heads.
- Procurement: purchasing locally, renewable power, bulk purchasing.
- Waste management: recycling, green waste, oil recycling, zero to landfill contractor.

Helen spoke about the results achieved in reducing the town council's carbon footprint but also the work to show leadership and encourage others to act. The Climate Panel and Action Plan cover a wide range of themes:

- Energy efficiency and renewable energy: careful use of energy, building improvements, buying electric vehicles, using renewable energy, installing solar panels considering uses of wind turbines and river hydro power.
- Transport: installing electric charging points, supporting active travel schemes, cycle hire and schemes to encourage walking and cycling to schools and work.
- Consumption and waste: paperless council meetings, composting, allotments, promotion of household recycling, waste minimisation in the office educating employees.
- Adaptation and resilience: flood mitigation, rainwater harvesting, green roofs and walls, community capacity to respond to climate emergencies.
- Engagement: community projects to encourage climate action, community grants, community awards, Shrewsbury in Bloom, Young Shrewsbury engagement in schools, youth clubs and youth engagement in local projects.

- Action by staff: turning off lights and monitors, limiting use of paper, walking and cycling to work, minimising waste.
- Monitoring performance: carbon audits, energy performance and monitoring fuel consumption and routes.

Helen finished her presentation by sharing information on the Shrewsbury Climate Change Think Tank and its work to take further action towards net zero. Local experts are supporting work to try new approaches, to innovate and advocate. Helen emphasised the importance of embedding climate action into everything we do, using influence and speaking about climate change with passion. She also stressed the urgency of the situation and that we should not put off until tomorrow what we can do today.

Carbon Literacy

Miranda Cooper from the [Carbon Literacy Project](#) explained that the organisation had started in Manchester in 2013. Carbon literacy is “*An awareness of the carbon costs and impacts of everyday activities and the ability and motivation to reduce emissions, on an individual, community and organisational basis.*”

Miranda emphasised that climate change is happening here and now and pointed to some recent headlines showing the impact of climate change on our weather, air quality and coastlines as the erode. She explained that behaviour change is needed. We need to change what we eat, the way we travel and use transport, the energy we use. For town and parish councils there is a role to bridge the gap between councils and communities and support understanding of the actions and changes. Miranda illustrated this with the example of low traffic neighbourhoods, where it is possible to influence people, so they understand why these changes are needed.

The Carbon Literacy Project provides a 1-day course, either as a day or in sections over several days. It is based on social learning so that it can be where people are and meaningful in the context of our daily lives. Delivery of the training is undertaken by peers and designed to best suit the audience. Although not delivered by the Carbon Literacy

Project, all training is certified and quality controlled. The training covers:

- What climate change is and its impact globally and, in the UK,
- What we are doing about climate change
- What the audience can do in context of the sector being trained
- What we can each do personally

Miranda highlighted the importance of positivity in the training and communicating that we can create a better world. Also important are the principles of equity and fairness, and a recognition that addressing climate change carries emotion, something that shouldn't be ignored but should be used to drive change in the right way. Miranda explained that each training day ends in action pledges: an action for the group and an action for the individual.

The Carbon Literacy Project has delivered great results. 22,000 citizens have been certified, 1,974 organisations have been engaged, 44,000 actions have been pledged and 246 courses designed. The reach extends to 14 nations. Each person trained can then take action and can spread the word and influence others.

Miranda spoke about work taking place to deliver a local authority toolkit for community leaders and the links in place with Save Our Shropshire to support town and parish councils. The Town and Parish Councils Toolkit will be targeted to support understanding of the action that can be taken, both directly and indirectly through community influence. Miranda provided contact details to find out more at the end of her presentation.

Save Our Shropshire

Allan Wilson, Vice Chair of SALC, began his presentation by explaining that [Save Our Shropshire](#) has been established with a mission to act and to fix the problem: “We can and will fix it”. The aim is to achieve net zero by 2030. Allan commented that Shropshire has carbon emissions of 17.6 tonnes of CO₂e per household and Telford 7 Wrekin 15.2 tonnes CO₂e per household. This must be reduced to 5 tonnes per household and can only be achieved through changes in

behaviour. There are 205,000 households, 502,000 people, 250 town and parish councils. All must reduce travel, insulate, waste less, eat differently, heat efficiently and plant trees to achieve results.

Save Our Shropshire aims to cascade education starting with town and parish councils. Town and parish councils can educate climate champions, local voluntary and community sector groups and members of the community/ every household. Areas of focus can cover communications, energy, transport, buildings, consumption and food.

Allan spoke about the recent SALC research to explore the post Covid-19 environment. The results of the survey highlighted that there are good networks and partnerships within communities, we are seeing growing poverty and concerns following the economic and social impact of the pandemic but people are showing community spirit and generosity. Loneliness and social isolation can be overcome by compassionate communities and local people supporting their neighbours. Allan emphasised that everyone has a role to play and that although community leaders have a key role, they must have support around them to avoid burn out.

Allan emphasised that climate change is a common aim and the journey to success will be to learn, unlearn, change behaviour, act naturally and live better. By introducing new behaviours, even small changes to our daily lives, and planning activities which will practically tackle climate change we can achieve results.

Net Zero Carbon and the Third Sector

Tony Green outlined some key steps in the journey towards net zero:

- Recognise the need for action
- Consider the Impacts
- Develop a vision and plan
- Deliver actions
- Support the community

Tony spoke about the work already taking place in Shropshire. There are three Climate Action Partnerships including the Telford & Wrekin

Borough Climate Action Group. South Shropshire Climate Action Plan is in place with a focus on the importance of retrofit and fuel poverty. Marches Energy Agency (MEA) is active in supporting people who need help to ensure their homes are warm and using energy efficiently. Connections are in place between local partnerships, Green Shropshire Xchange is working with Shropshire Climate Action Partnership. Tony spoke about the work being undertaken by Shropshire Wildlife Trust and other voluntary and community sector organisations including Age UK and the Rural Communities Charity (RCC). Organisations are not only looking at their own carbon footprint but also considering the needs of local communities and the people they support. RCC is providing training for trustees.

Tony mentioned Sharenergy and Big Solar, focused on meeting the need for local energy sources and the Heat network established in Bishop's Castle. Shrewsbury and Telford Community Energy Group is in place delivering support and the Bishops Castle Heat Network is being planned for the future. This important work will add to local renewable energy provision. The increase in locally produced renewables has been a real achievement. A partnership approach is also helping to ensure some positive change in land and biodiversity.

Tony emphasised that these local partnerships and organisations should be proud of what they have already achieved. The action plan going forward can build on these results and include:

- Training
- Decarbonisation of buildings and transport
- Management of resources
- Social value in procurement
- Ethical investments and funding
- Carbon footprints, measurement and monitoring
- Tree planting, green spaces

The Environment Agency has produced a report warning that we are not prepared for environmental change but together we can continue to make progress.

Q&A and Close

Tony and Allan worked with the other speakers to address some key questions. Some of the main themes from the questions are summarised below:

Use of LED Lighting

There have been concerns raised about the use of LED lighting and its impact on insects. Allan explained that arachnids don't stop foraging in the light and the lack of sleep can impact on them. However, it is possible to purchase programmable lights that dim and switch on and off and these have been purchased to reduce impact.

Carbon capture and land management

The importance of sequestration was raised, and it was highlighted that seagrass restoration can be very effective in coastal environments. Locally Meres and Mosses sites also offer an opportunity and the peat areas in Telford & Wrekin, The Weald Moors. Allan also highlighted the importance of taking the right action. Making sure we don't dry out wet areas by planting trees in the wrong places.

Training

A question was asked about the right type of training and how the Carbon Literacy Project training should be applied. It was acknowledged that both face to face and online training are important. Meeting locally in small groups is often better in person but when large groups need to get together, events online can be beneficial. Clun Energy Day was used as an example of a successful event.

Ivy, trees and hedgerows

A concern was raised that ivy can take over trees and hedgerows and that environmental management is needed. Members of the audience were able to provide feedback received from experts explaining that ivy can be quite beneficial and although it may appear to be a problem it has significant environmental benefits, including supporting the bee population. It was noted that some good work is taking place in the South of Shropshire with anaerobic digesters including an example in Cleobury Mortimer.

Active lives

Chris from Energize STW made the connection between the need to encourage active travel to reduce environmental impact and the importance of walking and cycling for health. He spoke about synergy in the work. A question was asked why the Active Travel schemes are in Shrewsbury and Cllr Ian Nellins was able to explain that although the work is starting in Shrewsbury (with a bigger population it is possible to have a greater impact) it will roll out across the county over time.

Public Transport

Members of the audience expressed concerns in the comments that public transport isn't well used or available in all areas. It was acknowledged that accessible and frequent public transport is very important in order to encourage people away from car travel. Cllr Nellins highlighted that consultations will be coming on the new strategies and plans and agreed that changes are necessary. Work includes the issue of school traffic planning and the audience were keen to see 20MPH zones around schools. It was agreed that there should be design from the bottom up and engagement in planning as a way of best influencing behavioural change.

Pollution

It was highlighted that pollution hadn't been covered within the presentations but air pollution, water pollution and plastic pollution are all big issues in need of action. A link was made to the importance of the 17 Sustainable Development Goals which should not only address issues such as pollution but should also help to reduce poverty.

Close

Tony thanked all the speakers for their presentations and support for the event, he also thanked the audience for their contributions and included a reminder about COP 26 at the beginning of November, and how by working together we can achieve more. Tony also extended his thanks to Dianne and Gail from SALC and to Sarah from the VCS Assembly for their help and support in arranging the workshop. Tony then drew the event to a close.

Climate Action Workshop

10am 13 October 2021



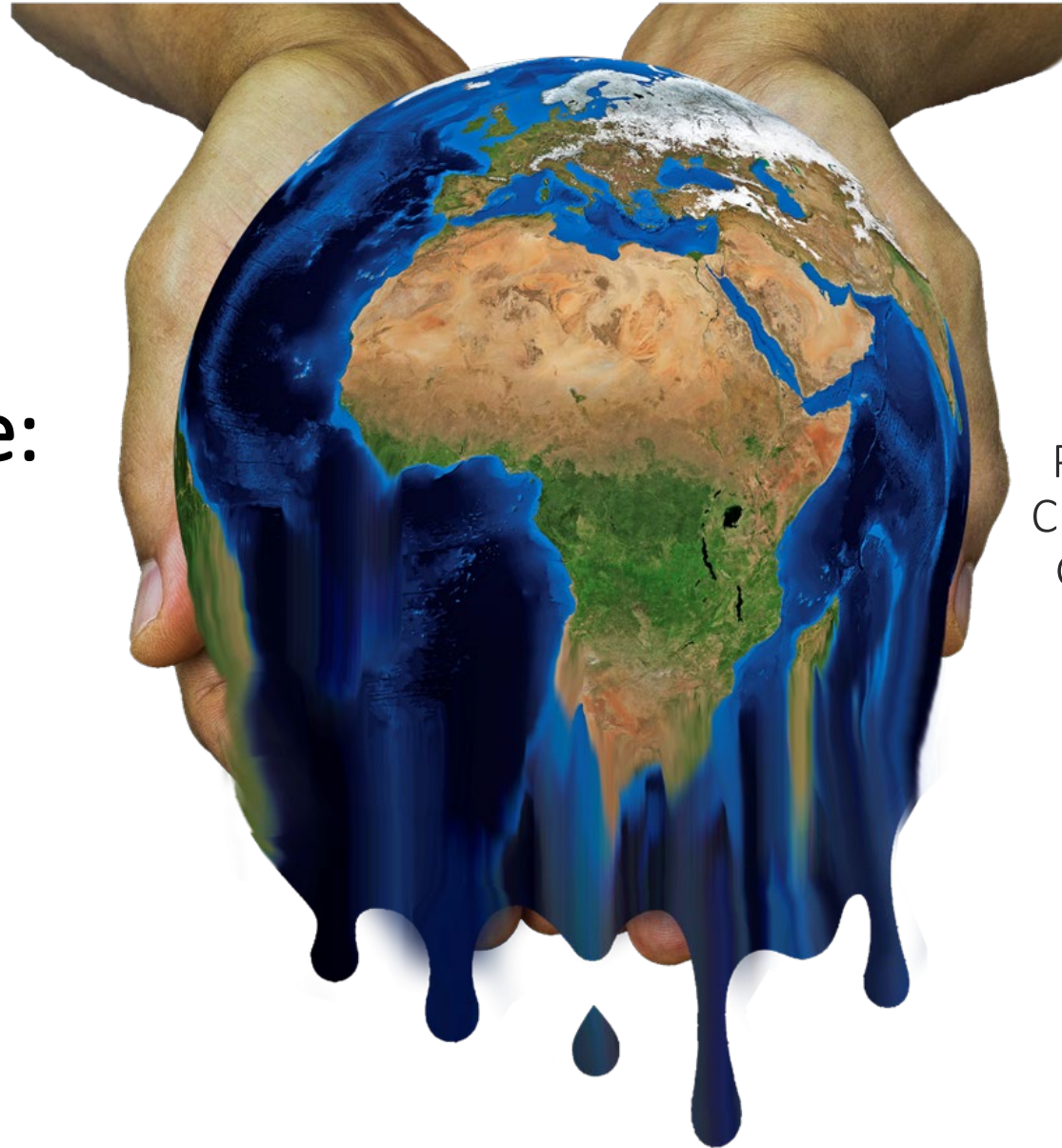
| | Item | Presenter | Time |
|---|---|---|-------|
| 1 | Welcome | Tony Green Green Shropshire Xchange and VCS Assembly | 10:00 |
| 2 | Introduction | Cllr Ian Nellins, Portfolio Holder, Shropshire Council | 10:05 |
| 3 | Tackling Climate Change: The role of Charitable Foundations | Richard Hebditch Director of External Affairs, Association of Charitable Foundations | 10:20 |
| 4 | Case study example – Taking Action | Helen Ball, Shrewsbury Town Council | 10:40 |
| 5 | Delivering carbon literacy | Miranda Cooper Carbon Literacy Project | 10:55 |
| 6 | Save Our Shropshire | Allan Wilson Save Our Shropshire | 11:15 |
| 7 | Net Zero Guide | Tony Green Green Shropshire Xchange | 11:30 |
| 8 | Panel Q&A Discussion Session | An opportunity to find out more from our panel members. | 11:40 |
| 9 | Summary and Close | Tony Green Green Shropshire Xchange | 12:00 |



Shropshire
Council

Creating a *low carbon*
future for you

Climate Change: Challenge and Opportunities for Shropshire



Ian Nellins
Portfolio Holder for Climate
Change, Natural Assets & The
Green Economy Shropshire
Council

Scope

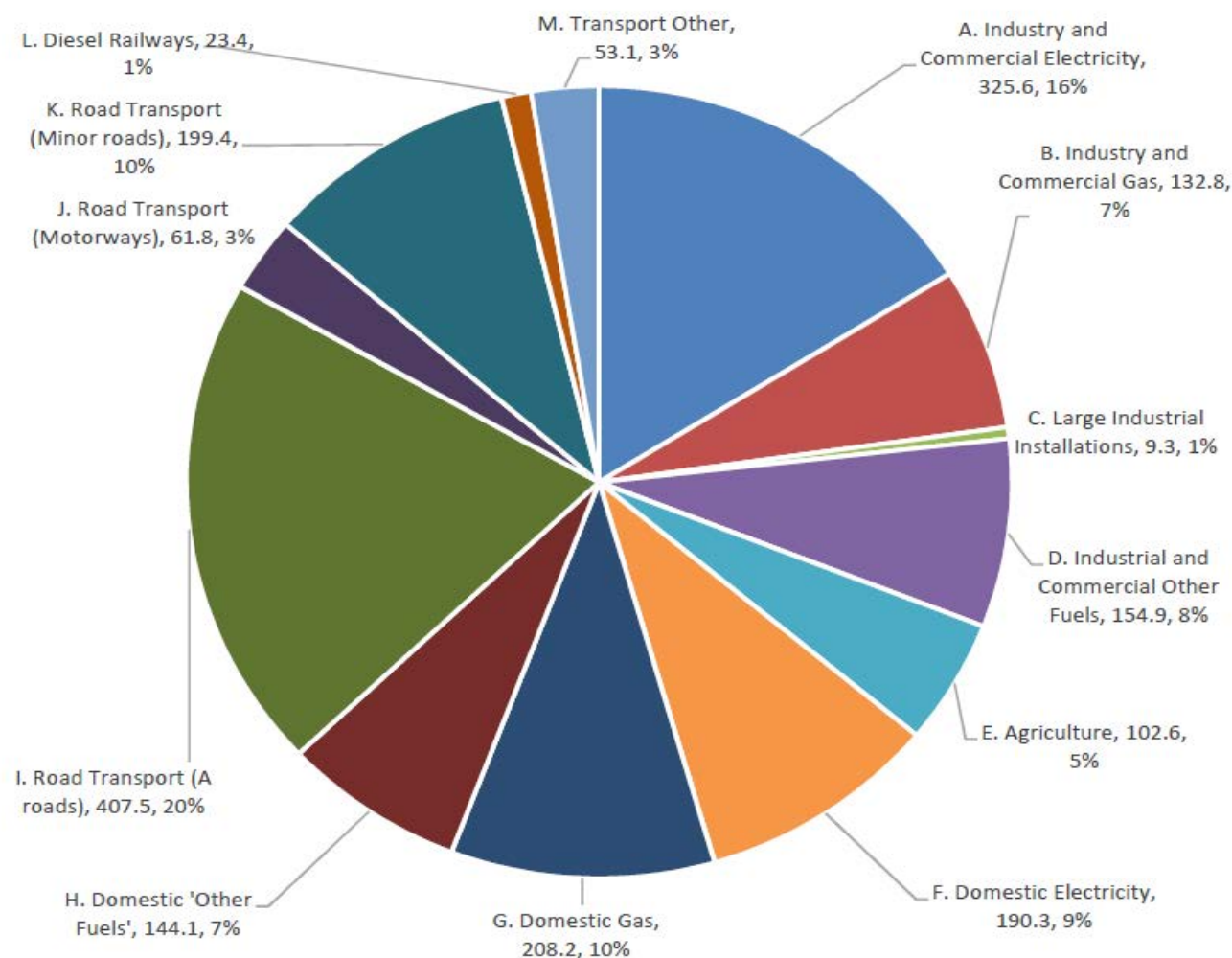
1. Climate Action Projects:

- Power Down;
- Power Up
- Carbon Capture & Storage

2. Climate Resilience

3. Active Travel

1. Shropshire Carbon Performance



- Total domestic greenhouse gas emissions in Shropshire were 1.76 million tonnes CO2e in 2017;
- Biggest contributors are: road transport (33%) and industrial energy use (23%);
- Including emissions generated by goods imported internationally significantly increases our county carbon footprint to around 6.1 million tonnes;
- Domestic energy use amounted to around 26%;
- Reduced by around 18% 2012-2017;
- Reduction of 7.7% or 135,000 tonnes per year required to reach carbon neutrality by 2030.
- Average annual emissions per person has reduced from 8 tonnes CO2e (2008) to 5.5 tonnes (2017);
- Actual footprint may be higher in reality due to the limited availability of information about local consumption habits, food, and air travel.

Zero Carbon Shropshire - What is Needed?

**Each year starting right away
Shropshire will need to achieve the following:**



20,000 homes
insulated to high standards
suitable for switchover and
switch from gas or oil heating to
using heat pumps



500 acres of solar farms
(or wind farm equivalent) installed and
**powering the grid and
private wire demand**



Investment of £200M
in Shropshire renewables

2,000
electric car charge points

for community car share
and car club vehicles



8,000 acres
of Shropshire
marginal land
re-wilded
or planted with
woodland



Recovery, renewal and protection
of **10% of Shropshire**
peatlands and wetlands



10% of highways budgets
dedicated to shifting from car
to prioritise active travel

10% reduction
of car use
by shifting to
active travel
public transport
and reduced commuting



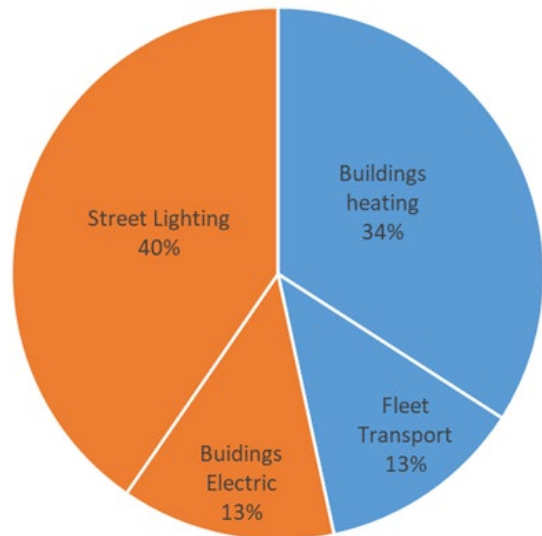
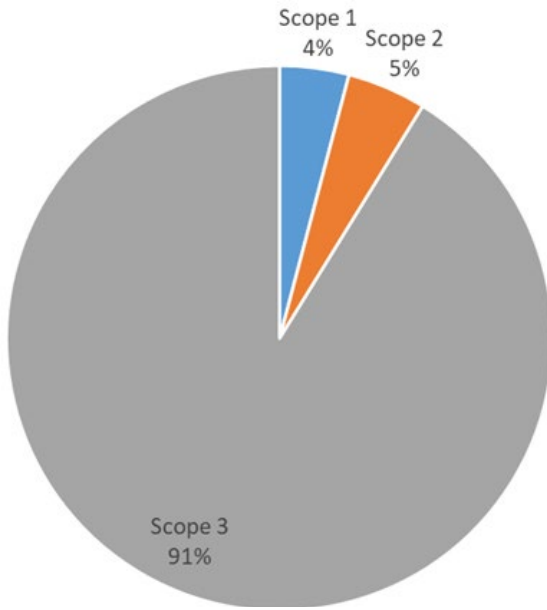
10% reduction in waste
collection volumes by reducing
short life purchases
and single use packaging
and promoting re-use of materials



500 miles
of new hedgerow laid

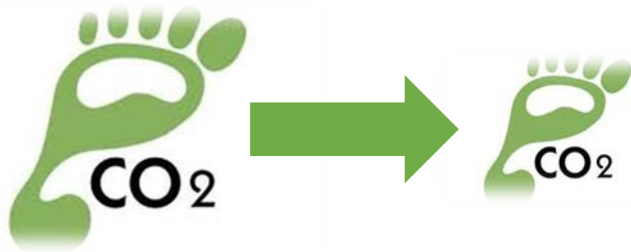


Council Carbon Performance



- The best available data suggests that Shropshire Council's own direct carbon emissions have fallen by 70% from around 17,000 tonnes in 2017, to 5,000 tonnes in 2019;
- The Council's indirect emissions (Scope 3) were assessed as being around 50,000 tonnes CO₂e in 2019, but work is ongoing to refine performance data and establish an accurate picture to support annual monitoring;
- Further significant falls are likely to be reported later in 2021 as the result of moving to an all renewable power supply;
- The Council's emissions represent around 1% of the Shropshire total, however the Council has indirect influence over a significantly greater level of emissions;

Shropshire Council Climate Strategy



Reduce Shropshire Council's carbon emissions to net zero by 2030



- **Power Down:** Reduction of Carbon and other Greenhouse Gas (GHG) emissions from buildings and transport (including staff);
- **Power Up:** Shropshire Council to become energy self-sufficient by 2030 for buildings and travel by developing its own renewable energy sources;
- **Carbon Capture and storage:** increase capture and storage of carbon through on Council land and by working with land managers to capture and store any residual corporate carbon footprint.

What is Shropshire Council doing?

Power Down (Carbon Footprint Reduction)



1. Low Carbon Transport:

- One of only four UK areas to trial world-leading on-street smart EV charging and installing an initial 50 new charge points in market towns across Shropshire using around £200,000 of Government grants;
- Working with businesses and universities across the Midlands as part of a £0.8m Government-funded project to test green hydrogen as HGV vehicle fuel;
- Delivering the first carbon neutral road surfacing programme by any UK local authority (project won at the National Highways Awards 2021), saving over 280 tonnes of carbon;

2. Buildings - Energy Efficiency improvements:

- All corporate power consumption now from identifiable renewable sources;
- On-going programme of improvements to SC buildings to install additional insulation, together with low carbon heating, lighting and solar power generation, currently valued at around £1.1m (60% grant funding) and saving around 210 tonnes of carbon per year;
- Lifetime carbon performance appraisal as an integral part of the design of new Council buildings

What is Shropshire Council doing?

Power Down (Carbon Footprint Reduction)



3. Corporate governance:

- a. Mandatory climate and carbon appraisals for committee decisions;
- b. Updated procurement policies

4. Supporting the transition to a low carbon economy

- a. Supporting wider community efforts to decarbonise as a founder member of Zero Carbon Shropshire;
- b. Working with local Housing Associations, taking steps to help residents suffering from fuel poverty and helping social housing tenants by installing £5.8m of insulation and heating improvements in Shropshire to date;
- c. Supporting 22 Local business and community to organisations to access £0.4m of EU grants for renewable energy installations;
- d. Developing web-based advice and guidance to help individuals, communities, businesses and vcs organisations.

Power Up

(Renewable Energy Generation and Storage)

Low Carbon Energy:



- a. Developing a new 1MW solar farm on the former Maesbury Road landfill site in Oswestry to supply power to local businesses;
- b. Grant funding SCAP to commission a strategic renewable energy mapping project;
- c. Working with local electricity companies to screen SC property portfolio to identify other opportunities to generate power, either for its own use or to supply other public sector organisations and local businesses;
- d. Using £70,000 Government grant funding to work with a range of local project partners, including Zero Carbon Shropshire to develop the potential for local heat networks in north Shrewsbury and Shrewsbury town centre to decarbonise heating in these areas;

Biodiversity, Carbon Capture and storage



1. Seeking opportunities to work with others to capture and store carbon in horticulture and agriculture using carbon credits using a pilot project for Biochar production;
2. Supporting widespread tree planting by making available around 30,000 trees per year free of charge for communities through the annual 'Community Tree Scheme'
3. Working with others to promote landscaping, tree planting and ecosystem services including:
 - a. Street trees / regeneration of urban canopy cover
 - b. Urgent need for urban tree maintenance programme
 - c. Design and management of Public Realm
 - d. Landscaping design;
 - e. Sustainable urban drainage



Tree Planting

<http://www.shropshire.gov.uk/environment/trees-woodlands-and-hedges/shropshire-council-community-tree-scheme-202122/>

- Queen's Green Canopy
- Community Tree Scheme
- Trees Outside Woodlands

Adaptation and Resilience



Whilst we are no strangers to flood risk in Shropshire, more extreme weather from climate change will require changes to:

- Public service delivery;
- Building design;
- Public realm design and management.



Shropshire Council is to hold a short Virtual Resilience Conference on October 26th this year to engage local businesses and other interested organisations with short sessions on:

- Business Resilience in a post pandemic world;
- Climate Change agenda and sustainable energy;
- Flood Management and Impact



The Pump House Knowledge Hub



- A space for EVORA EDGE and partners to host events, deliver training, hold meetings and showcase net-zero technology and kit
- A place to collaborate, network and learn from local and national expertise for all those interested in sustainable buildings
- A focal point of local knowledge and expertise that will help Shropshire achieve net zero buildings by 2030



Active Travel Programme



LCWIP Development

- Scoped out an LCWIP for Shropshire:
- Focus on Shrewsbury, Bridgnorth, Ludlow, Market Drayton, Oswestry and Whitchurch as well as the inter-urban connections within a 10km radius buffer zone.
- A tender process conducted to appoint a consultant to lead on the development of the LCWIP (£70,000 from the Capability Fund).
- Draft LCWIP expected to be ready by March 2022,

LCWIP Development Progress to Date

- 8 tenders
- Procurement exercise completed and City Science has been awarded the contract
- Currently in a voluntary 'stand-still' period to allow tenderers to contest the award or marks given.
- Contract to commence 14 Oct

Programme

| LCWIP Stage | Key Deliverable | Estimated Date |
|---|---|------------------------|
| Stage 1: Scope | Inception report | By end September 2021* |
| Stage 2A: Stakeholder Engagement | Develop engagement plan and conduct initial stakeholder engagement and internal workshops | By mid October 2021* |
| Stage 2B: Evidence Base | Background evidence report | 26 November 2021 |
| Stage 3: Network Planning for Cycling | Technical report | 18 February 2022 |
| Stage 4: Network Planning for Walking | Technical report | 18 February 2022 |
| Stage 5: Prioritising Infrastructure Improvements | Technical note | 29 April 2022 |
| Stage 6: Integration | Draft LCWIP | 20 May 2021 |
| | Final LCWIP | 17 June 2021 |

Active Travel Fund Tranche 1 (Emergency Active Travel Fund)



Emergency Active Travel Fund (EATF) Tranche 1

- June 2020 – Council allocated £86,000
- Two schemes
 - (1) New St reallocation of one lane to create a shared use footway/cycleway and introduction of a one-way west-bound traffic lane
 - (2) Crowmeole Lane point closure

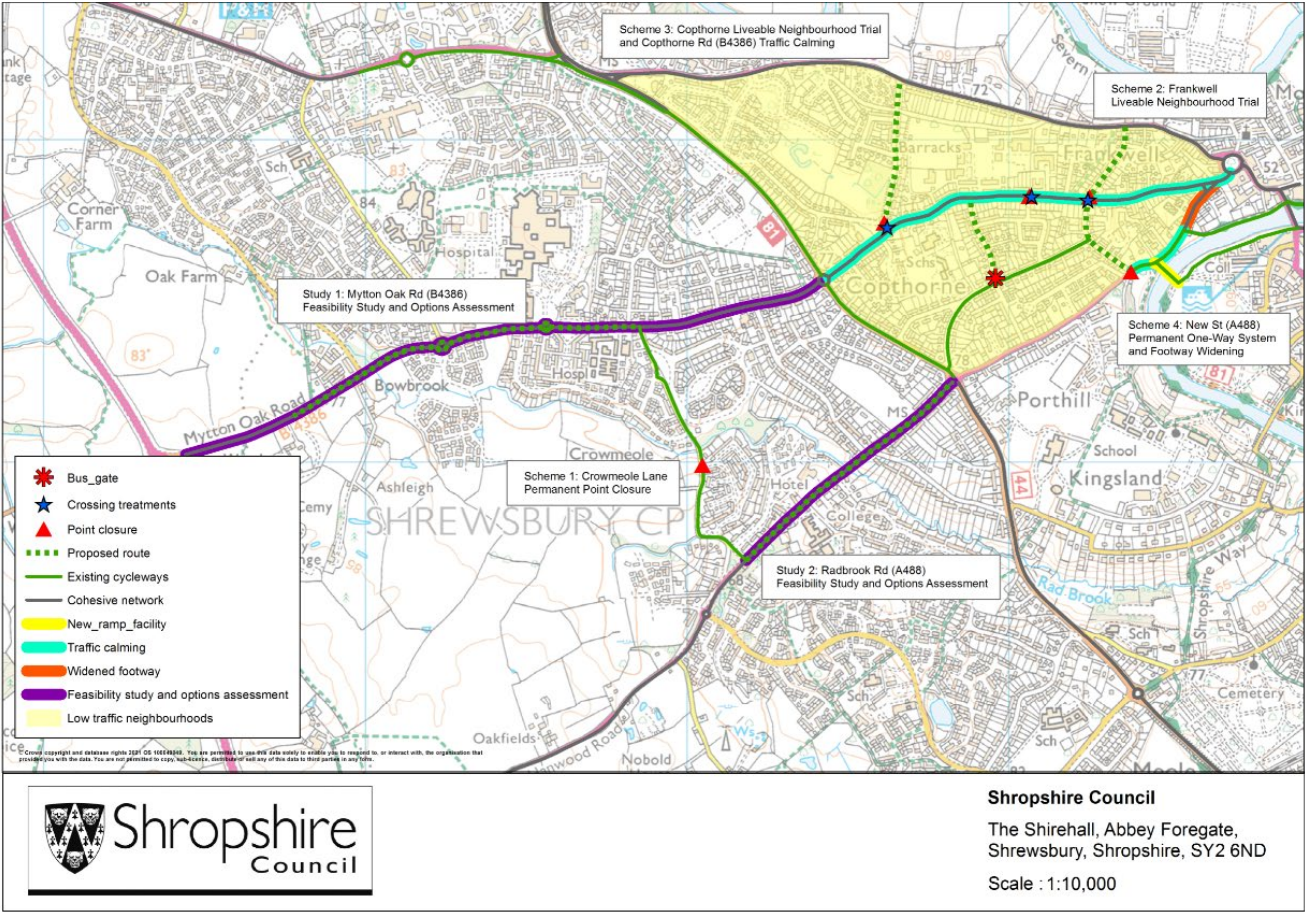
Emergency Active Travel Fund (EATF) Tranche 1

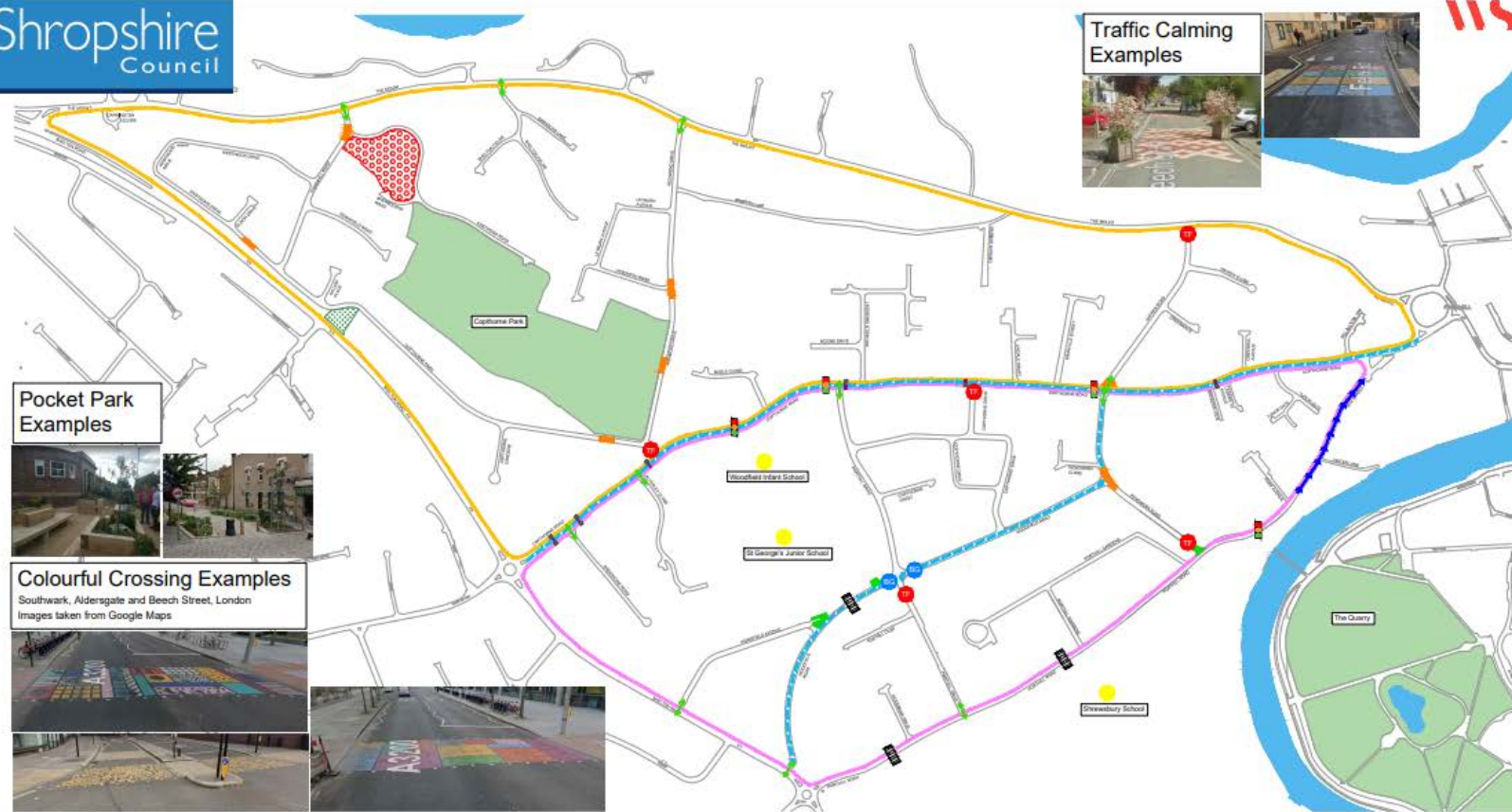
- Nov 2020 – Council allocated £259,000
- Capability (Revenue) funding of £140,000

Bicton to Shrewsbury Town Centre Active Travel Corridor

- (1) Mytton Oak Rd - Feasibility Study
- (2) Radbrook Rd – Feasibility Study
- (3) New St One Way System & Footway Widening
- (4) Crowmeole Lane point closure
- (5) Copthorne Liveable Neighbourhood (CLiNT)
- (6) Porthill Liveable Neighbourhood (PLiNT)

ATF Tranche 2: West of Shrewsbury Active Transport Network





Porthill & Copthorne Low Traffic Neighbourhood Zone



Community Events Area



Community Allotment and Garden



Park



New Traffic Filter
Only cyclists, pedestrians, emergency and refuse vehicles can pass through



New Bus Gate
Only buses, cyclists, pedestrians, emergency and refuse vehicles can pass through



Low Traffic Neighbourhood motor vehicle entry & exit points



School



Existing Bus route



New Street - One Way System



Pocket Parks
A safe and inviting environment for surrounding community members



Road Narrowing
Road to be narrowed using planters and build outs to reduce the speed of traffic.



Existing Zebra Crossing to be upgraded to colourful crossing * subject to authorisation



Existing Signalised Crossing to be upgraded to colourful crossing
* subject to authorisation



Proposed Signalised Crossing
Subject to funding



Porthill Low Traffic Neighbourhood Zone (PLINT)



Copthorne Low Traffic Neighbourhood Zone (CLINT)



Traffic Calming
Planters and coloured surfacing



Copthorne Low Traffic Neighbourhood Zone



Community Events Area



Community Allotment and Garden



Park



New Traffic Filter

Only cyclists, pedestrians, emergency and refuse vehicles can pass through



New Bus Gate

Only buses, cyclists, pedestrians, emergency and refuse vehicles can pass through



Low Traffic Neighbourhood motor vehicle entry & exit points



School



Existing Bus route



New Street - One Way System



Pocket Parks

A safe and inviting environment for surrounding community members



Road Narrowing

Road to be narrowed using planters and build outs to reduce the speed of traffic.



Existing Zebra Crossing to be upgraded to colourful crossing * subject to authorisation



Existing Signalised Crossing to be upgraded to colourful crossing * subject to authorisation



Proposed Signalised Crossing

Subject to funding



Porthill Low Traffic Neighbourhood Zone (PLiNT)

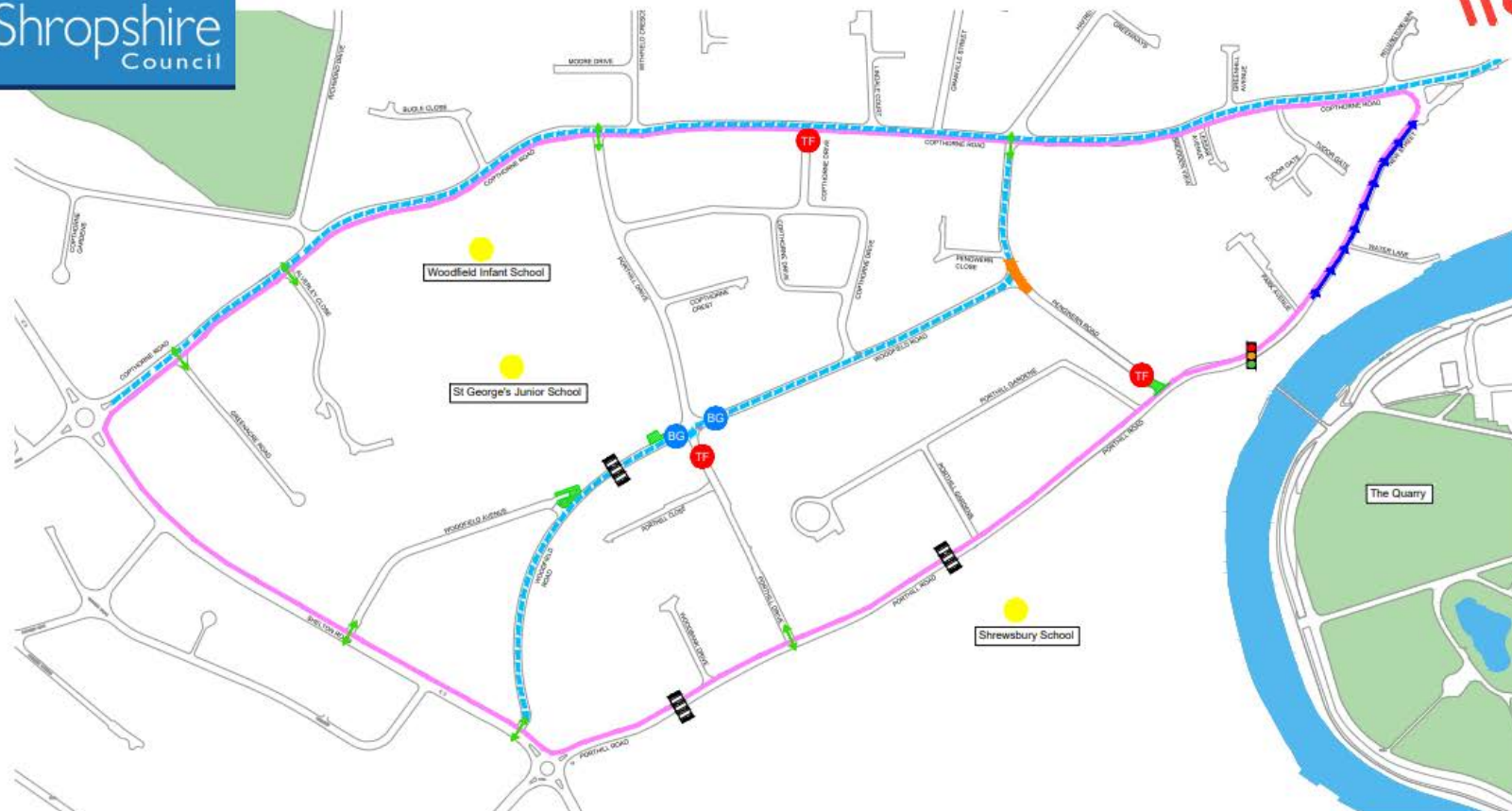


Copthorne Low Traffic Neighbourhood Zone (CLiNT)



Traffic Calming

Planters and coloured surfacing



Porthill Low Traffic Neighbourhood Zone



Community Events Area



Community Allotment and Garden



Park



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Proposed Signalised Crossing
Subject to funding



Porthill Low Traffic Neighbourhood Zone (PLiNT)



Copthorne Low Traffic Neighbourhood Zone (CLiNT)



Traffic Calming
Planters and coloured surfacing

Workstream 2: Public Engagement & Consultation

- Two-staged stakeholder engagement and public consultation approach (as detailed in the Consultation Plan)
- Engagement begins: **4 Oct 2021**

Postcards (A5) for letter drop




Have Your Say Copthorne!


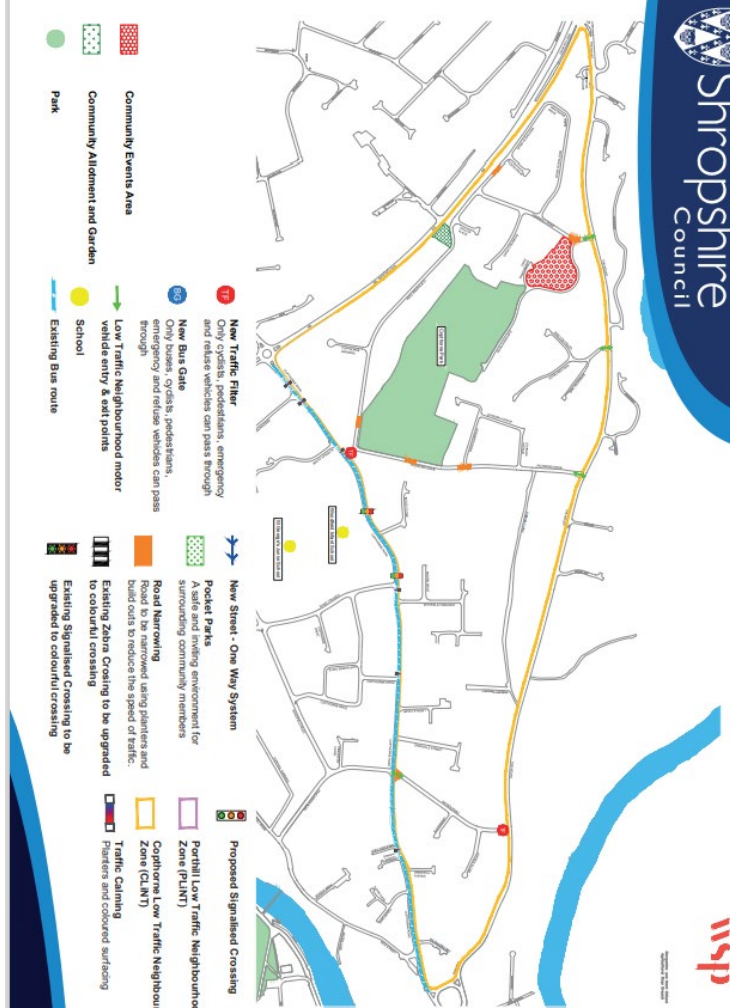
The Copthorne Liveable Neighbourhood Trial – CLiNT

In response to road safety concerns raised by residents over the years, we are proposing to introduce a trial Liveable Neighbourhood in the Copthorne area which will run for a period of up to 18 months. A Liveable Neighbourhood will make Copthorne's streets safer and more appealing for residents by removing through traffic, also known as 'rat-runs' within the area shown on the map.

A Liveable Neighbourhood for Copthorne will not only reduce the impact of noise and air pollution caused by vehicles using these roads as rat-runs, it will also make the streets safer and more pleasant to use, providing more opportunities for people to be active and for children to walk and cycle to school independently.



To learn more about the proposed
Copthorne Liveable Neighbourhood Trial (CLiNT)
and Have Your Say, scan the QR code or visit
www.shropshire.gov.uk/active-travel

Legend:

- Park
- Community Events Area
- Community Allotment and Garden
- New Traffic Filter
- Only cyclists, pedestrians, emergency and refuse vehicles can pass through
- New Bus Gate
- Only buses, cyclists, pedestrians, emergency and refuse vehicles can pass through
- Low Traffic Neighbourhood motor vehicle entry & exit points
- School
- Existing bus route
- New Street - One Way System
- Pocket Parks
- A safe and inviting environment for surrounding community members
- Road Narrowing
- Road narrowing using planters and bollards to reduce the speed of traffic.
- Existing Zebra Crossing to be upgraded to colourfull crossing
- Existing Signalised Crossing to be upgraded to colourfull crossing
- Proposed Signalised Crossing
- Portal Low Traffic Neighbourhood Zone (PLiNT)
- Copthorne Low Traffic Neighbourhood Zone (CLiNT)
- Traffic Calming
- Planters and coloured surfacing

msp

Postcards for letter drop




Have Your Say Porthill!

The Porthill Liveable Neighbourhood Trial – PLiNT

In response to road safety concerns raised by residents over the years, we are proposing to introduce a trial Liveable Neighbourhood in the Porthill area which will run for a period of up to 18 months.

A Liveable Neighbourhood will make Porthill's streets safer and more appealing for residents by removing through traffic, also known as 'rat-runs' within the area shown on the map.

A Liveable Neighbourhood for Porthill will not only reduce the impact of noise and air pollution caused by vehicles using these roads as rat-runs, it will also make the streets safer and more pleasant to use, providing more opportunities for people to be active and for children to walk and cycle to school independently.



To learn more about the proposed Porthill Liveable Neighbourhood Trial (PLiNT) and Have Your Say, scan the QR code or visit www.shropshire.gov.uk/active-travel



Banners



Have Your Say Copthorne!

The Copthorne Liveable Neighbourhood Trial - CLiNT

We want to make neighbourhood streets safer for residents, cyclists and pedestrians in Copthorne by introducing a trial Liveable Neighbourhood.



Scan the QR code below or visit:
www.shropshire.gov.uk/active-travel



Have Your Say Porthill!

The Porthill Liveable Neighbourhood Trial - PLiNT

We want to make neighbourhood streets safer for residents, cyclists and pedestrians in Porthill by introducing a trial Liveable Neighbourhood.



Scan the QR code below or visit:
www.shropshire.gov.uk/active-travel

Community Drop-ins and Walkabouts

(1) Tue, 12th Oct

- Walkabout #1 – 8.00am – 9.30am (to capture school and commuter traffic)
- Walkabout #2 – 4.00pm – 6.00pm (to capture commuter traffic)

(2) Wed, 13th Oct

- Community drop-in session 1 (The Beacon) – 2pm – 4pm
- Community drop-in session 2 (The Bricklayers Arms) – 4pm – 6pm

(3) Sat, 16th Oct

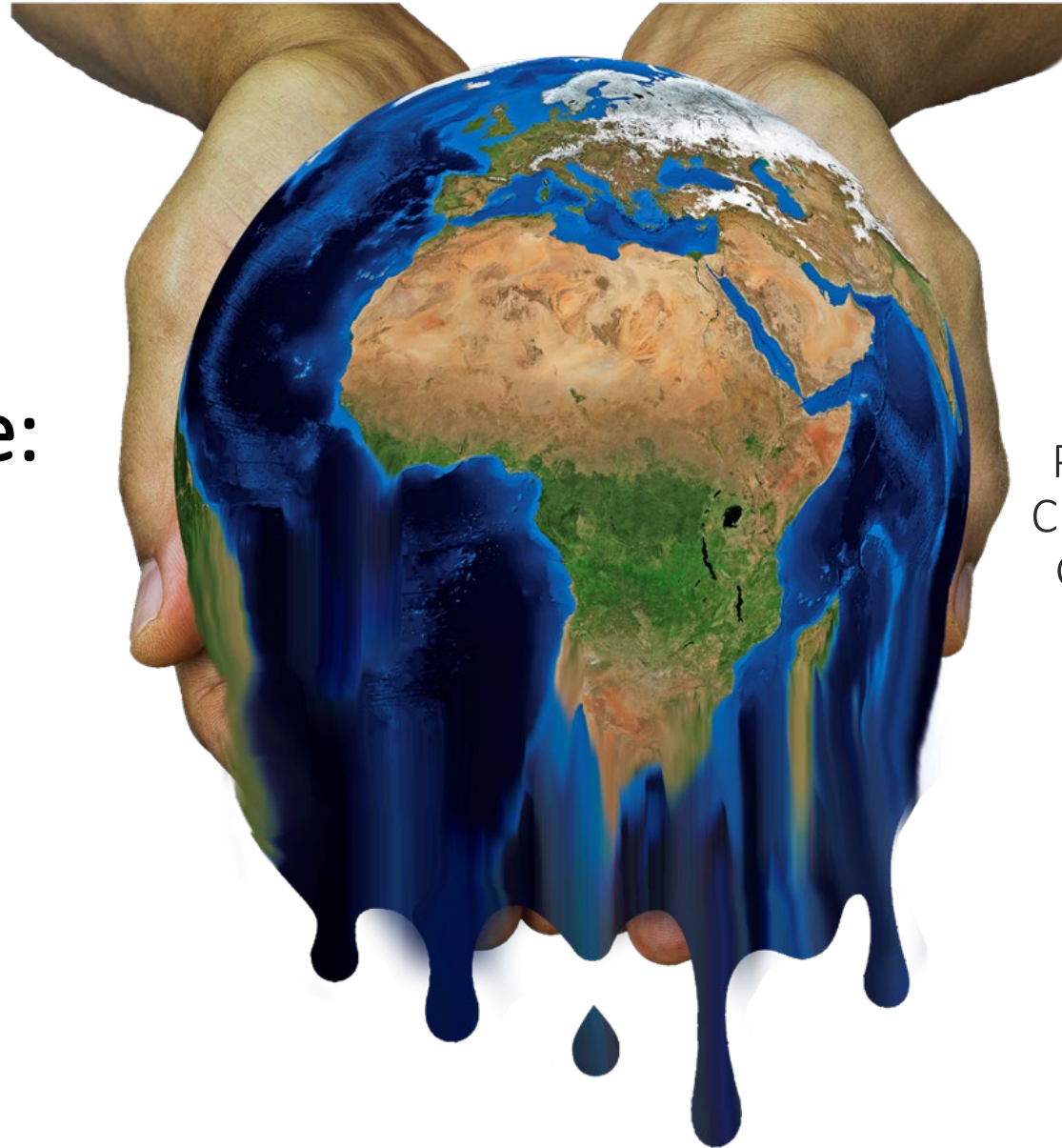
- Walkabout #3 – 10.30am – 12.00pm
- Community drop-in session #3 (Unit next door to Woodfield Stores) – 12pm – 3pm



Shropshire
Council

Creating a *low carbon*
future for you

Climate Change: Challenge and Opportunities for Shropshire



Ian Nellins
Portfolio Holder for Climate
Change, Natural Assets & The
Green Economy Shropshire
Council

Funder Commitment on Climate Change

Richard Hebditch, ACF

Covering...

2

- Progress on mitigating climate change and changes needed
- Climate change impacts
- Funder Commitment on Climate Change
- Reasons to act now

Background – first COP



COP26 – finally?





Climate Change Act 2008

2019 No. 1056

CLIMATE CHANGE

The Climate Change Act 2008 (2050 Target Amendment) Order 2019



Made - - - - 26th June 2019

Coming into force in accordance with article 1

A draft of this instrument was laid before and approved by a resolution of each House of Parliament, in accordance with sections 2(6) and 91(1) of the Climate Change Act 2008 (“the Act”)(1).

Before the draft was laid, the Secretary of State—

- (a) obtained and took into account the advice of the Committee on Climate Change, in accordance with section 3(1)(a) of the Act; and
- (b) took into account representations made by the Scottish Ministers, the Welsh Ministers and the Department of Agriculture, Environment and Rural Affairs in Northern Ireland in accordance with section 3(1)(b) of the Act(2),

The Secretary of State considers that since the Act was passed, there have been significant developments in scientific knowledge about climate change that make it appropriate to amend the percentage specified in section 1(1) of the Act.

Accordingly, the Secretary of State, in exercise of the power conferred by section 2(1)(a) of the Act, makes the following Order:

Citation and commencement

1. This Order may be cited as the Climate Change Act 2008 (2050 Target Amendment) Order 2019 and comes into force on the day after the day on which it is made.

Amendment of the target for 2050

2.—(1) Section 1 of the Climate Change Act 2008 is amended as follows.

(2) In subsection (1), for “80%” substitute “100%”.

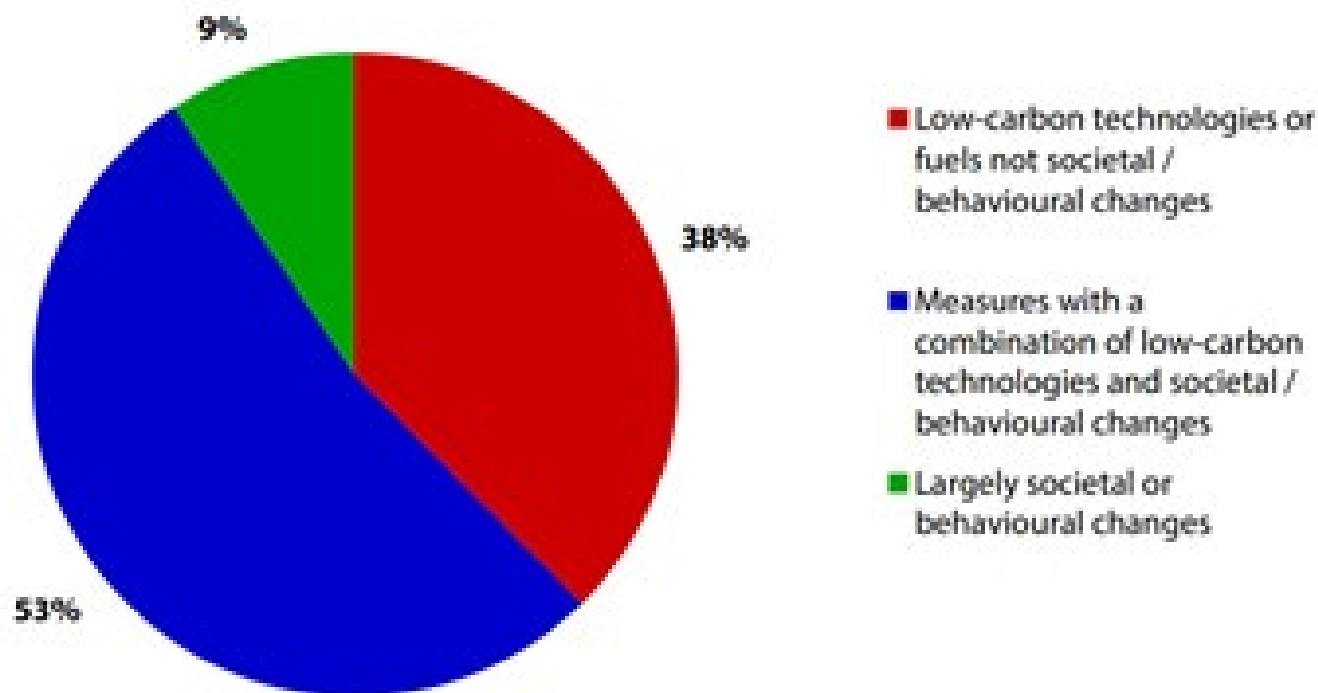
You can't get around net zero

- ❑ No petrol cars, vans or lorries (from ten years' time)
- ❑ No gas boilers – gas network either becomes redundant or use hydrogen (in 12 to 15 years time)
- ❑ Massively improve home and office energy efficiency (starting now and requirements if renting out or soon for selling)
- ❑ Significantly cut meat and dairy consumption (from now)
- ❑ Policies to cut demand for flying (increasingly severe if can't switch to low carbon fuels)
- ❑ No landfill for waste, recycling above 70% (no LA achieves this)
- ❑ 30,000ha trees planted each year (equivalent to 3x area of Manchester)
- ❑ Staying on track on decarbonising power

Technology & behaviours

8

Figure 5.6. Role of societal and behavioural changes in the Further Ambition scenario



Source: CCC analysis.

Adapting to climate change

9



Warmer drier
summers



Fewer days
with frost



More intense
downpours



Rising
sea levels



More very
hot days



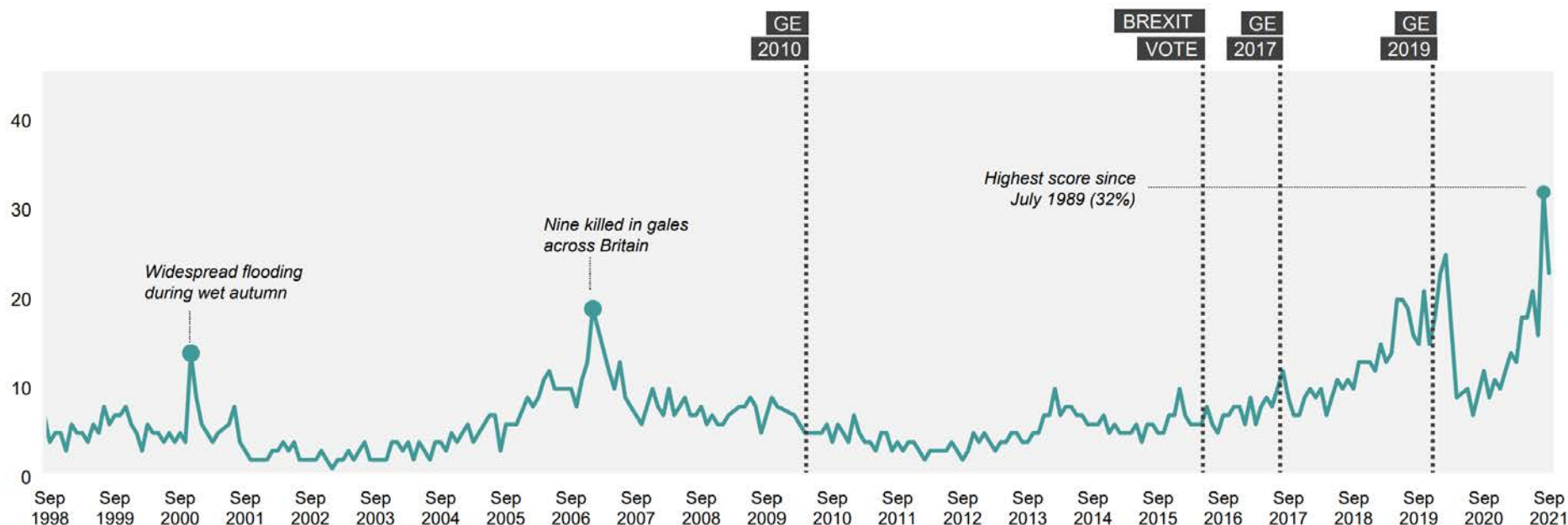
Milder wetter
winters

“Warmest decade in 125,000 years”



Pollution / Environment / Climate change

What do you see as the most/other important issues facing Britain today?



Base: representative sample of c.1,000 British adults age 18+ each month, interviewed face-to-face in home
N.B. April 2020 data onwards is collected by telephone; previous months are face-to-face

Source: Ipsos MORI Issues Index

Commitments to net zero

12

- ❑ 7/10 businesses have made, or are considering, a commitment to net zero
- ❑ 3/4 of councils have declared a climate emergency
- ❑ Virtually all party leaders are committed in principle to net zero
- ❑ 1/100 ACEVO CEOs have signed their climate and environmental leadership principles
- ❑ 46% see climate change as unimportant, slightly important or only moderately important
- ❑ 13% have set a net zero/climate neutral target

Funder Commitment background



13

- ACF Funding on a Finite Planet conference 2019
 - ▣ Carol Mack speech
 - For foundations “at a minimum...it means doing no harm”
 - “At ACF we believe that the climate crisis is real, it is serious, and all foundations should be intentional about their response; whether this is in setting your strategies, discussing your investments, or future funding plans”
- Launch of Funder Commitment
- ACF takes over Funder Commitment in June 2020

The Funder Commitment

14

1. EDUCATE AND LEARN

- We will make opportunities for our trustees, staff and stakeholders to learn more about the key causes and solutions of climate change

The Funder Commitment

15

2. COMMIT RESOURCES

- We will commit resources to accelerate work that addresses the causes and impacts of climate change. (If our governing document or other factors make it difficult to directly fund such work, we will find other ways to contribute, or consider how such barriers might be overcome).

The Funder Commitment

16

3. INTEGRATE

- Within all our existing programmes, priorities and processes, we will seek opportunities to contribute to a fair and lasting transition to a post carbon society, and to support adaptation to climate change impacts.

The Funder Commitment

17

4. STEWARD OUR INVESTMENTS FOR A POST-CARBON FUTURE

- We will recognise climate change as a high-level risk to our investments, and therefore to our mission. We will proactively address the risks and opportunities of a transition to a post carbon economy in our investment strategy and its implementation, recognising that our decisions can contribute to this transition being achieved.

The Funder Commitment

18

5. DECARBONISE OUR OPERATIONS

- We will take ambitious action to minimise the carbon footprint of our own operations.

The Funder Commitment

19

6. REPORT ON PROGRESS

- We will report annually on our progress against the five goals listed above. We will continue to develop our practice, to learn from others, and to share our learning.

Support

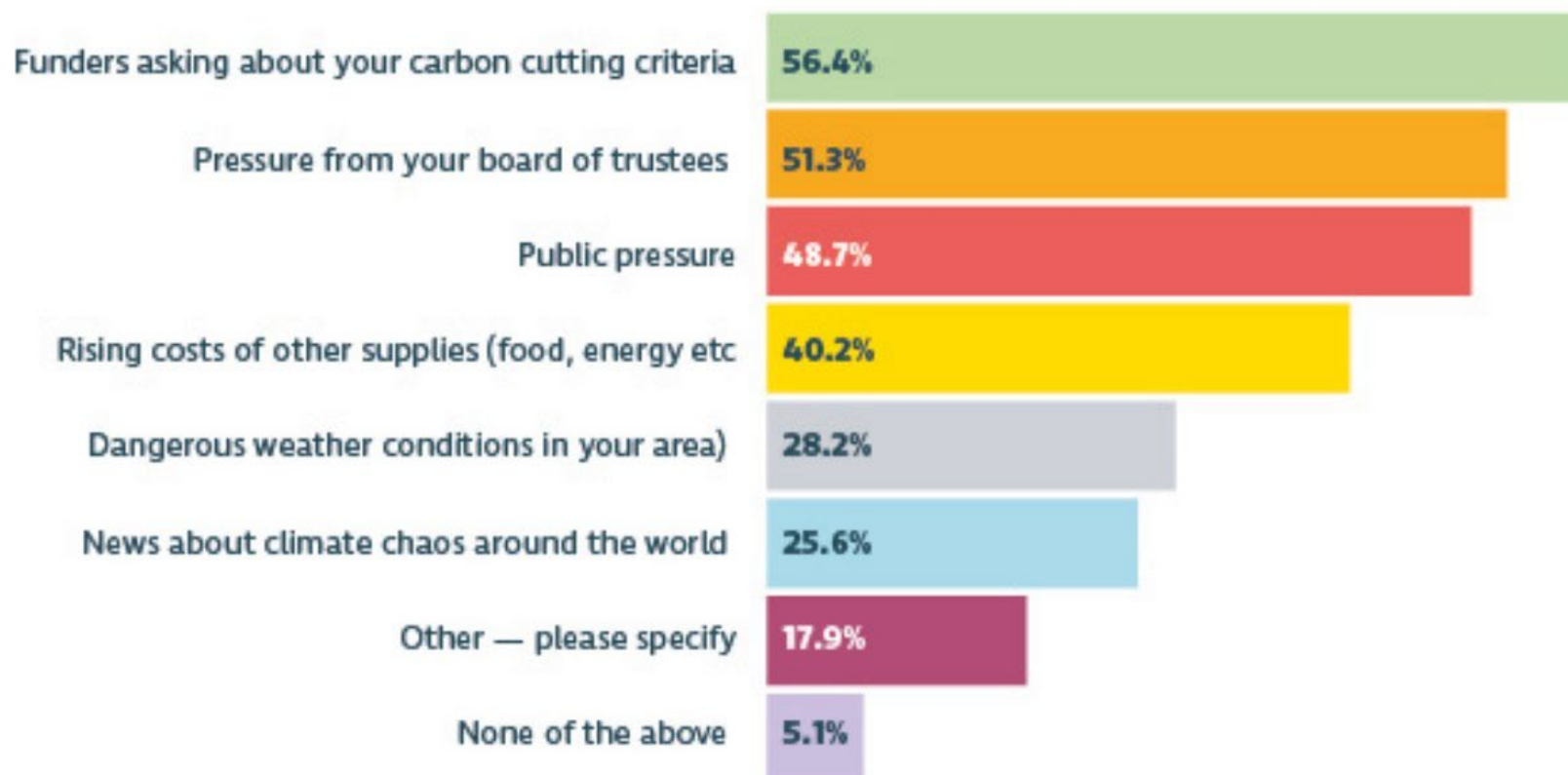
20

On hold since Covid, but we want to help provide

- Networking for signatories
- Resources guide
- Toolkit
- Workshops
- Better understanding of barriers to work on climate change

Funders expectations

21



Why act

22

- Rules to get to net zero
- Changes needed in society
- Fairness and equity
- Impacts of warming on people
- Expectations from public and funders

...all mean voluntary sector should act sooner rather than later.

Shrewsbury Town Council

A Case Study for Addressing the Climate Emergency

Climate Emergency Resolution – March 2019

- ***1) Supports the Declaration of a Climate Emergency***
- ***2) Pledges to make the Council carbon neutral by 2030***
- ***3) Calls on Westminster to provide powers and resources to make this possible***
- ***4) Signs up to the Covenant of Mayors***
- ***5) Requests that the Finance and General Purposes Committee develops a detailed Action Plan in pursuit of the above objectives and reports back within 6 months.***
- ***6) To call on Shropshire Council to support the Declaration of a Climate Emergency***

What do we do already?

Plant Propagation

- Recycled Greenhouse from Holland
- Grow our own plants from seedlings/cuttings (particularly traditional varieties) to reduce air miles & carbon emissions
- Composting from green waste
- Reuse plastic pots
- Planters/Hanging Baskets made from recycled plastic with water reservoirs to limit watering
- Water harvesting from greenhouse in 70,000 litre tank
- More use of sustainable planting (even in the Dingle)
- Minimum use of fungicides & pesticides, preferring to use sticky labels
- Reducing growing zones in the greenhouse in off-peak winter period
- Reduce heat evaporation by reflective thermal shading
- Propagation of shrubs from local sources
- School visits to educate young people on the importance of plants and trees in our environment
- Use of electric/battery powered water carts



Roadside verges

- Energy efficient mowers – rotary deck mowers with differing heights
- Wildflower planting – or is it just engineered planting?
- Leaving areas uncut to promote bees/butterfly
- Creation of naturalised and conservation areas to reduce grass cutting regime



Trees

- TreePlotter mapping – evaluation of tree stock to reduce carbon footprint
- Tree Nursery – growing of tree whips
- 2 for 1 replanting policy
- Development of in-house Arbor Team
- Shredding on site for mulching beds & creating countryside paths
- Use of chipped tree/shrub waste to bulk out planters and reduce compost
- Water reservoirs on newly planted highways trees
- Use of wood mulch for countryside paths & floral structures
- Zero use of any chemicals
- Epicormic growth managed by manual methods
- Annual selling of timber to reduce carbon footprint for disposal



Events & Activities in the Quarry

- Park Run – Promoting exercise/free activity
- Ice Cream Seller – has compostible cups/tops
- Fairs – Plug into renewable energy power supply rather than generators
- Festivals – split waste into recycle materials
- Food Festival – promoting local businesses / trail of the Shrewsbury Cup
- Geo sensors to determine usage & footfall



Play

- Splash Park is water recycling facility
- Sensor activated Splash Park to conserve energy and water
- Education via Young Shrewsbury Youth Service
- Assisting Youth Service with sustainable projects



Christmas Lights

- LED Lighting
- 3.30pm – 12.00am
- Local Contractor with storage in the region
- Local Electrical Engineer



Footway Lights

- Replacement LED heads programme
- Scheduled to reduce power by 60%
- Programmed to dim lights by 25% between 12.00am-5.00am
- Reduced maintenance costs
- Reuse of existing Victoriana Heads rather than replace
- Now have solar lighting



Procurement

- Contract local policy
- 60% power comes from renewable sources
- Minimum use of herbicides, fungicides & pesticides
- Bulk purchase to reduce journeys from suppliers
- In-house fleet management to reduce travel time taking to garages
- Increased servicing of equipment increases productivity & efficiency



Waste Management

- Zero to landfill contractor (Cartwrights)
- In-house Sharps collection
- Cardboard Recycling
- Green waste combined with Shropshire Council Waste to maximise tariffs and sent to Mark Gethin locally
- Fly-tipped waste recycled
- Vehicle batteries recycled
- All metals collected & recycled locally
- Tyres disposed of professionally
- Supplies of litter-pickers and bags to community groups
- All vehicle oils recycled
- Use of recycled paper
- Safe disposal of ink cartridges for re-use
- Additional litter bins in public spaces
- Lost bicycles sent to schools in Africa or recycled



What to include in an Action Plan

Developing an Action Plan

1. Mobilisation & Leadership
2. Energy efficiency
3. Renewable energy
4. Zero emissions transport
5. Consumption & waste minimisation
6. Adaption & resilience
7. Engaging the community
8. Education via Young Shrewsbury Youth Service
9. Education of Shrewsbury Town Council Staff & Members
10. Monitor agreed targets/Performance Indicators
11. Climate Change Think-Tank

1. Mobilisation & Leadership

- Undertake an organisational review of all council policies to ensure alignment with councils Climate Emergency commitment
- Publicise key emissions elimination achievements
- Join Global Covenant of Mayors
- Advocacy
- Local Campaigns & Promotions
- Include Climate Emergency info in key communications (website/social media)
- Presentations, events, art-installations to increase community awareness
- Collaborate with other partner's campaigns
- Learn more about Climate Emergency & spread the message
- Promotion & Education via Team Shrewsbury Youth Service

2. Energy Efficiency

- Big Town Plan – Shrewsbury Test – advocating passive design, orientation & shading, heating, insulation, glazing
- Buying appliances with high energy efficiency ratings
- Turn appliances off standby
- Turn lights out when leaving the room and install sensors where appropriate
- Energy efficient street-lighting & part-night lighting
- Building energy performance benchmarking
- Monitor usage
- Insulate/draft proofing property
- Review Energy Supplier's Green Credentials
- Review Energy Performance Certificates of Council Buildings
- Determine Carbon Footprint
 - Scope 1 - Fuel combustion, Council vehicles
 - Scope 2 - Purchased electricity, heat and steam
 - Scope 3 - Purchased goods & services, corporate travel, Employee commuting, waste disposal, Use of sold products
- Start buying Electric Vehicles

3. Renewable Energy

- Purchase 100% renewable energy – we already buy 60% renewable energy
- Install solar PV on Council Buildings
- Creation of sustainable woodland

4. Zero Emissions Transport

- Explore electric vehicle options for Council fleet – Electric Mayors' Car, Toilet Van, Mule
- Electrical charging points for council use & public use
- Big Town Plan Green Travel Plan – Local Cycling & Walking Infrastructure Plans
- Encourage walking & cycling/hire of electric cycles
- Improved access pathways
- Increased road safety – more people walking & cycling
- Bike Storage & Pumps
- Advocate good reliable affordable public transport
- Increased sourcing of local materials in the products we buy means freight has less distance to travel
- More working remotely & flexible working patterns to reduce peak time travel
- Look at ways to increase the safety & confidence of children & adults riding a bike
- Ride to Work Day /Walk to School Day

5. Consumption & Waste Minimisation

- Protect land, water, soil
- Composting
- Build capacity of residents to produce/share food locally (allotments)
- Deepen people's understanding of environmental issues including consumption & waste
- Continue to expand waste & recycling practices throughout council buildings & venues
- Embed strong environmental procurement practices to reduce waste creation
- Continue to reduce waste from council operation
- Advocacy on encouraging household waste recycling
- Continue to reduce Council's paper use
- Paperless Council Meetings – COVID has helped facilitate this
- Implement education on waste minimisation through staff
- Review waste bin locations

6. Adaptation & Resilience

- How do we influence Green Strategies
- Land Adoption on new development sites
- Flood/drought resilient space
- Open space that meets the diverse needs of the community and incorporates climate, water sensitive vegetation, healthy eco-systems & biodiversity
- Enhance & increase community capacity to support one another during extreme events
- Reduce properties at risk of flooding
- Ensure new/replacement trees use little/no water & can use alternative water sources for irrigation
- Ensure new open space ground have no irrigation needs
- Rainwater harvesting
- Promote green roofs, walls, facades
- Protect significant trees
- Plant street trees
- Share sustainable knowledge, skills & resources with neighbours

7. Engaging the Community

- Increase Climate Change & Climate Emergency knowledge amongst residents & businesses
- Engage with & encourage staff
- Ride to Walk
- Walk to School
- Local Green Credentials
- Community Grants to support community action on Climate Change
- Celebrating groups/individuals/initiatives for their achievements in sustainability – Mayors Awards “Climate Emergency Category”
- Promotion via Young Shrewsbury – Youth Service
- Shrewsbury in Bloom Initiatives

8. Young Shrewsbury

- Provide local leadership and mentoring for young people
- Activities in Youth Sessions
- Engagement with Schools
- Promoting Walk to School
- Youth Forum and engagement with the Big Town Plan

9. Town Council Staff & Members

- Promoting alternative routes to work/Council Meetings
- Cycle to Work initiatives
- Paperless Meetings
- No more paper cups/Shrewsbury Cup
- Monitor usage
- Turn Lights Off
- Waste minimisation

10. Monitoring agreed targets & performance

- Energy performance benchmarking
- Carbon Audits
- Monitor fuel consumption and routes

11. Shrewsbury Climate Change Think-Tank

- Climate Change Standing Committee
- Climate Change Think Tank to develop local zero emissions & resilience proposals & solutions
- Harness & encourage community participation & investment (volunteering/donations)
- Develop & contribute to programmes that educate & mobilise the community
- Develop & trial innovative programmes and delivery mechanisms that can be scaled up to achieve significant change
- Advocate to Government/Industry to increase Climate Change action and funding for community and local government action

Over-riding Messages

- Bring common sense to the fore
- Don't get hung up about measuring carbon – a parish council's ability to influence its wider community will bring far greater change
- Embed Climate Emergency in every thing you do
- Speak about Climate Emergency with passion
- Don't put off to tomorrow that you can start today – 2030 will be here before we know it

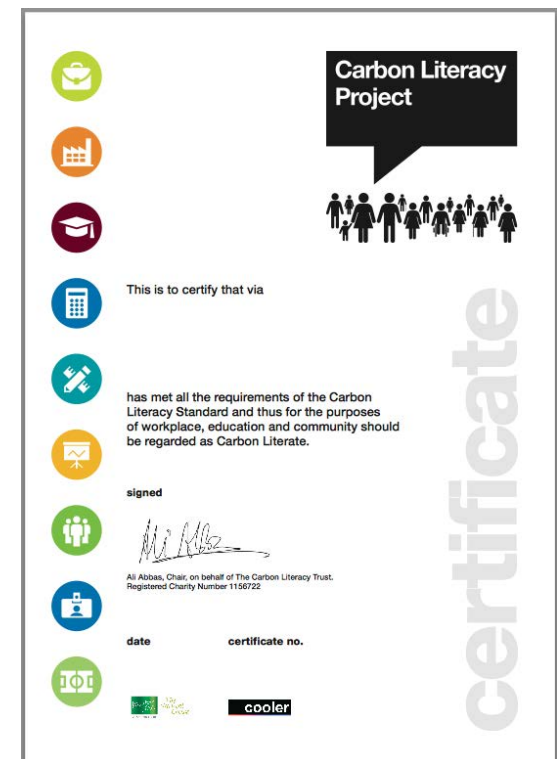
The Carbon Literacy Project

Shropshire Climate Action Event

Miranda Cooper

Local Authorities Coordinator
The Carbon Literacy Project

Twitter: @Carbon_Literacy #CarbonLit
Facebook: @CarbonLiteracy



The Carbon Literacy Project

Carbon Literacy
Project

What is Carbon Literacy?



“An awareness of the carbon costs and impacts of everyday activities and the ability and motivation to reduce emissions, on an individual, community and organisational basis.”

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Air pollution is slashing years off the lives of billions, report finds

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Cymru

Climate change: 'Sleepwalking into oblivion' coastal erosion warning

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Extreme weather

This article is more than 2 months old

Extreme weather will be the norm and UK is not prepared, scientists warn

Last year was first to be in top 10 for heat, rain and sunshine, as scientists say UK's mild climate is at an end

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Storm Christoph: Eleven Shropshire flood warnings in place

21 January

Storm Christoph

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INDYBEST

INDY100

MY INDEPENDENT

VOUCHERS

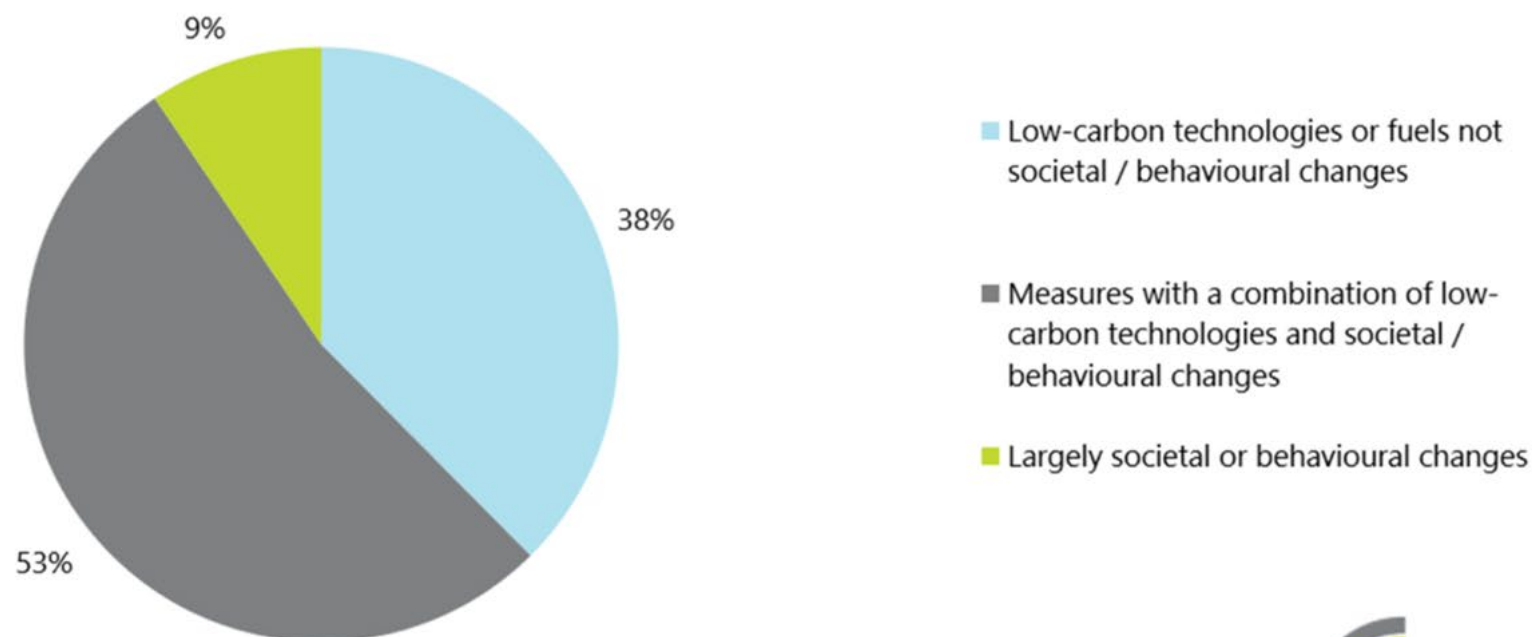
COMPARE

Climate > News

Climate crisis: Extreme weather means UK faces worst wheat yields in 40 years, farmers' union says

The role of behaviour change

Role of societal and behavioural changes in the Further Ambition scenario





“

It will not be possible to get close to meeting a Net Zero target without engaging with people or by pursuing an approach that focuses only on supply-side changes.

Committee on Climate Change

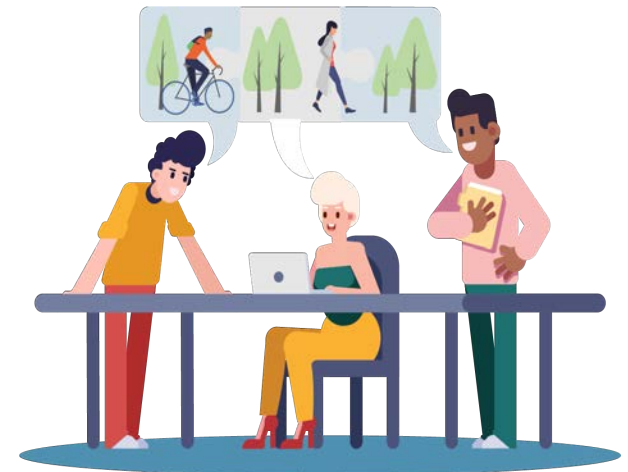
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The Carbon Literacy Project

Carbon Literacy
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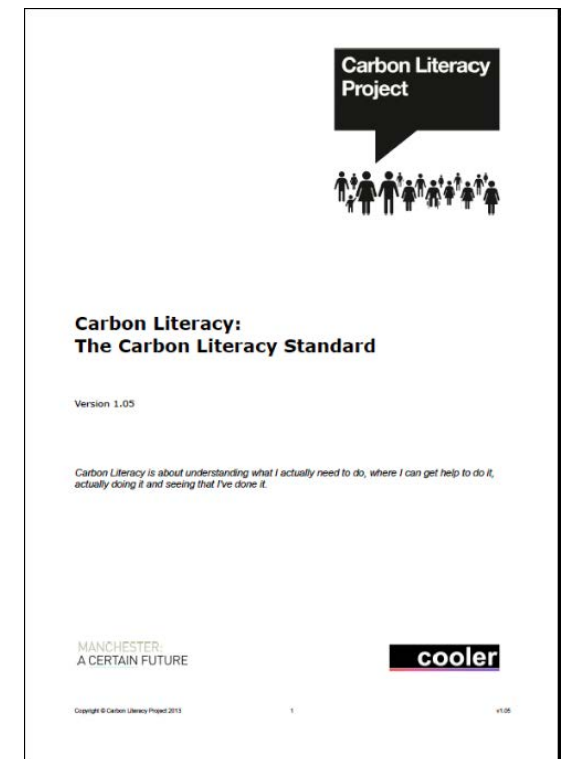
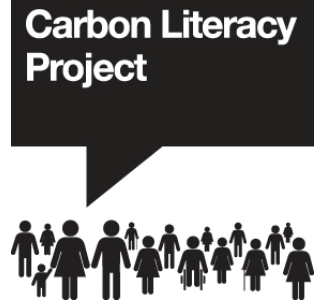


- A “days worth of learning” about Climate Change
- Learning will be “Social Learning” - taken to where people are
- Delivery will be Peer to Peer – because our peers are our most trusted source of information and influence
- Training to meet The Carbon Literacy Standard and certified as doing so.



The Carbon Literacy Standard

- Knowledge
- Learning Method
- Values
- Action



The Carbon Literacy Standard

Carbon Literacy
Project



Knowledge

- What climate change is and what impacts it is having in the UK & globally
- What people are doing about it - taking action
- What people just like you could do about it
- Exploration of what you personally can do



The Carbon Literacy Standard

Carbon Literacy
Project



Learning Method

- One Day's Worth of Learning
- “Local” Learning
- Delivery by Peers
- Group Enquiry
- Positivity



The Carbon Literacy Standard

Carbon Literacy
Project



Values

- The action of individuals **can** and **does** make a difference.
- We need to work with others to create change.
- Overall, the outcome of the changes we need to see can lead to a better world and a better way of life.
- Equity and fairness, now and in the future, underlies the changes that we want to see in the UK and globally.
- Training should acknowledge that for some people, addressing climate change carries with it enormous emotional content. This shouldn't be ignored but acknowledged and used to drive action.

The Carbon Literacy Standard

Carbon Literacy
Project



Action pledges

- An action taken or formulated as an individual
 - (not needing the permission of anyone else)
- An action taken or formulated as part of a wider group of people

Both actions should be in the context in which the learning has taken place.

The focus of Carbon Literacy is about empowering people to take action. To become certified as Carbon Literate you must:

Page 1 – Getting to Carbon Neutral

1. Explain clearly the steps we need to take as a society, to be **carbon neutral by 2038***.

* Edit date to fit with local or organisational zero-carbon target.

Page 2 – Commitments

2. Create at least one significant action as an individual to reduce your own carbon footprint. This action where possible should be in the sphere in which the training takes place.

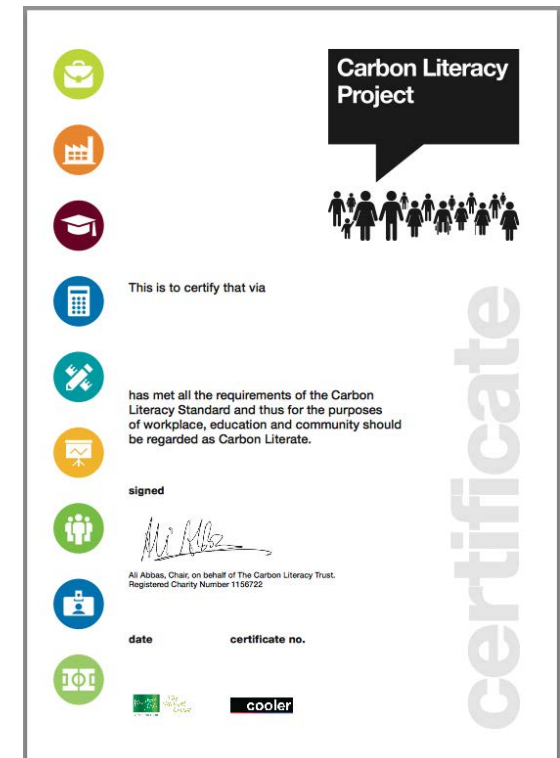
3. Create at least one significant action involving other people to reduce the collective footprint of your workplace, community or place of education. This is your **group action**.

The information you write on this form alone will determine whether The Carbon Literacy Project can certify you as Carbon Literate or not.

The Project delivers no training

- Each Organisation or audience devises their own training to their own design, and the proposed learning and materials are checked by The Project to maintain quality.
- Evidence submitted on behalf of each individual is assessed, and if it meets the Standard, Carbon Literacy certification is awarded.
- £10 standard certification fee per person

Carbon Literacy
Project



22,000
citizens
certified



44,000
actions
pledged



Carbon
Literate
Organisations

61

1974 organisations
engaged

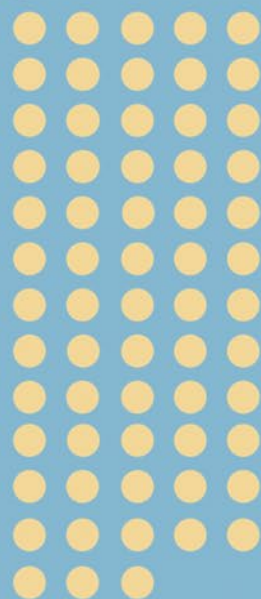


nations
delivering

14

64

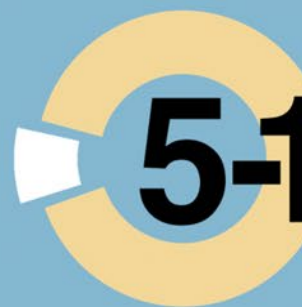
certified
training
professionals



10 consortia
initiated



246 courses
designed



5-15% carbon
savings
per-person

The Three Audiences:



People Who Live



People Who
Work



People Who Study

Who we work with...



Carbon Literacy
Project



BBC North

 **AutoTrader**

NOTTINGHAM
TRENT UNIVERSITY



Lyme Regis
Town Council



Braunstone
Town Council

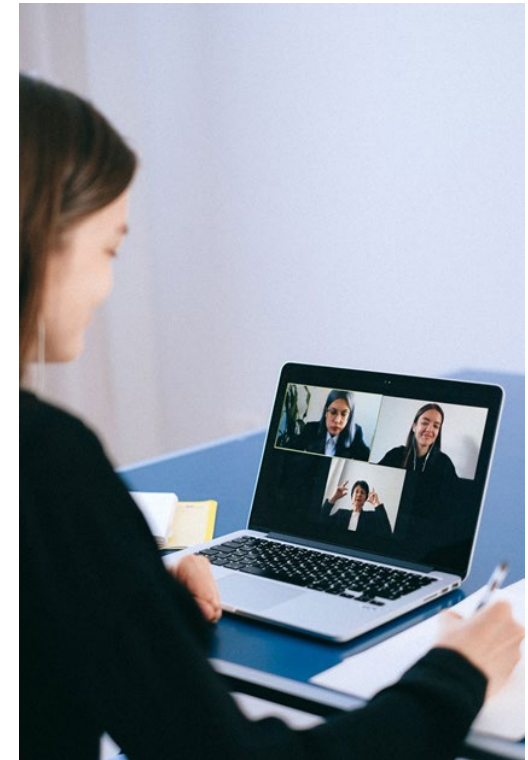


How you can get involved...

Carbon Literacy
Project



- Attend training
- Deliver training
 - via Toolkit
 - Certify your own course
- Spread the word



1. Attend training

Carbon Literacy
Project



- Open courses

Upcoming Events



**oct
12**

18:00
United Kingdom

Online Course: Carbon Literacy for the Music Industry

ClimateEQ are hosting the first Carbon Literacy course designed to mobilise and enable the music industry to move towards a low carbon future. The course is delivered in 3 separate online sessions: 12 Oct 18:00-...



**oct
20**

09:30
Manchester, United Kingdom

Online Course: Carbon Literacy for Universities & Colleges

This course is open for staff and students from any University or College (or associated Student Union, Club or Society). The course is tailored to the university and college sector, and to support learners to identify...



**oct
28**

09:00
United Kingdom

Online Course: Carbon Literacy for Local Authorities

To create a low carbon culture we need to foster citizens who understand the scale of the problem and feel empowered to take action on climate change as well as support and accept climate mitigation policies. Our...



**oct
30**

12:00

Online Course: Carbon Literacy for the Music Industry

As part of the Carbon Literacy Action Day on Days 1 of COP26, ClimateEQ is hosting this



**nov
4**

09:30

Online Course: Carbon Literacy Training for SMEs

If you are working for or with an SME and are looking to get started on your journey to



**nov
10**

09:30

Online Course: Carbon Literacy for Universities & Colleges (EAUC)

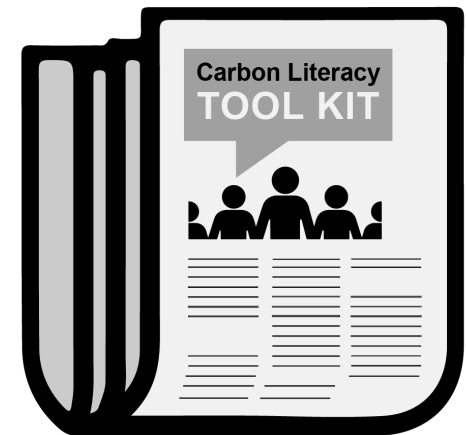
This course is open for staff and students from any University or College (or associated



2. Deliver training – Toolkits

- A Toolkit - freely available pack to run Carbon Literacy to public sector organisations
- Contains slides, trainer manual, activity pack
- Only cost is certification - £10 per learner
- No criteria checking required
- Internal or external delivery

Carbon Literacy
Project



2. Deliver training – Toolkits

Town & Parish Councils Toolkit

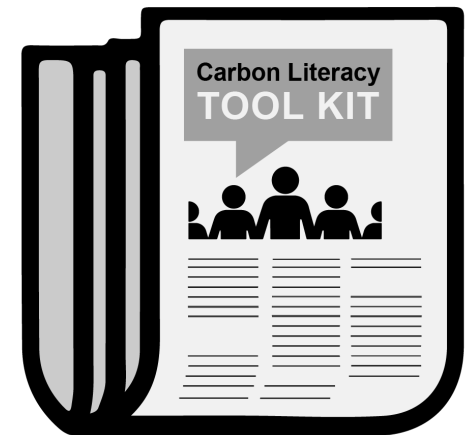
What?

- New Toolkit, currently being piloted

Why?

- Crucial in bridging the gap between communities and councils
- Important for lobbying to district, county level... and beyond!
- Can catalyse further training and action within the community

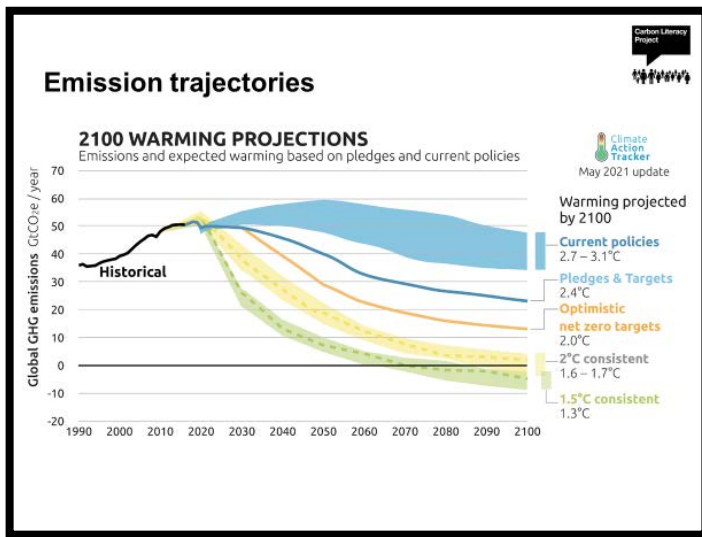
Carbon Literacy
Project



2. Deliver training – Toolkits

Town & Parish Councils Toolkit

Carbon Literacy
Project



Climate change impacts in “your local area”

Find a few local (or regional) examples of extreme weather events...

E.g.

- Flooding
- Storms
- Wildfires
- Heat stress/ Heat waves

Activity: Which activity releases which greenhouse gas?



Carbon Dioxide



Methane



Nitrous Oxide



F Gases



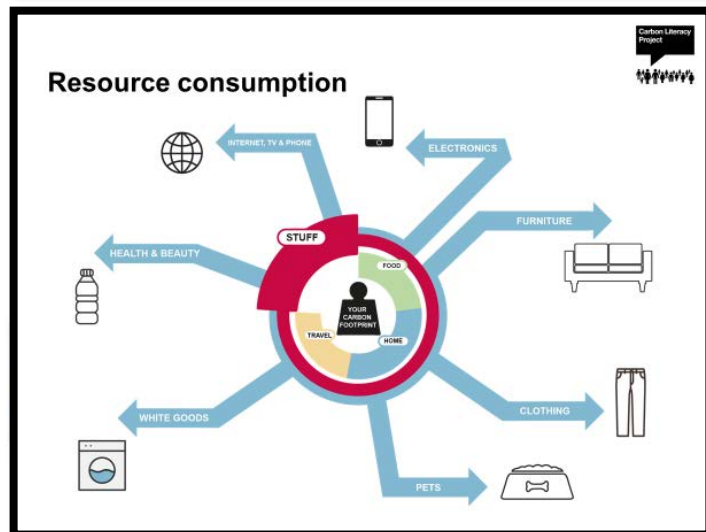
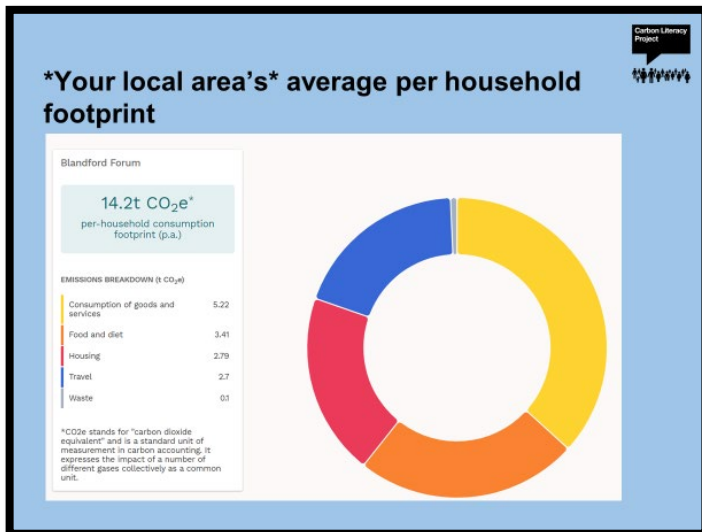
Match the greenhouse gases with their sources.



2. Deliver training – Toolkits

Town & Parish Councils Toolkit

Carbon Literacy
Project



Retrofitting

Thorpe on the Hill Parish Council

- Installed an air source heat pump for its Oliver Roper Meeting Room. This has reduced heating oil bills for the village by about 50%.



Health



Equity &
Community



Financial
savings



Resilience



Green
space

2. Deliver training – Toolkits

Town & Parish Councils Toolkit

Carbon Literacy
Project



Activity: Spheres of influence



- **Where** do you have the most power/influence in your life to make a difference in reducing carbon?
- **Who** can you influence to take action on climate change? (members of the community, local community groups, friends, family, colleagues, MPs)
- What are the **barriers**?
- How can you overcome them?



Activity: Your best idea for community engagement



- Discuss within your group **initiatives** to engage your local community in reducing carbon emissions.
- Choose your **best initiative** to **pitch back**: **Dragons Den** style to the rest of the group.



Finding common ground



What climate change framings carry the broadest appeal?

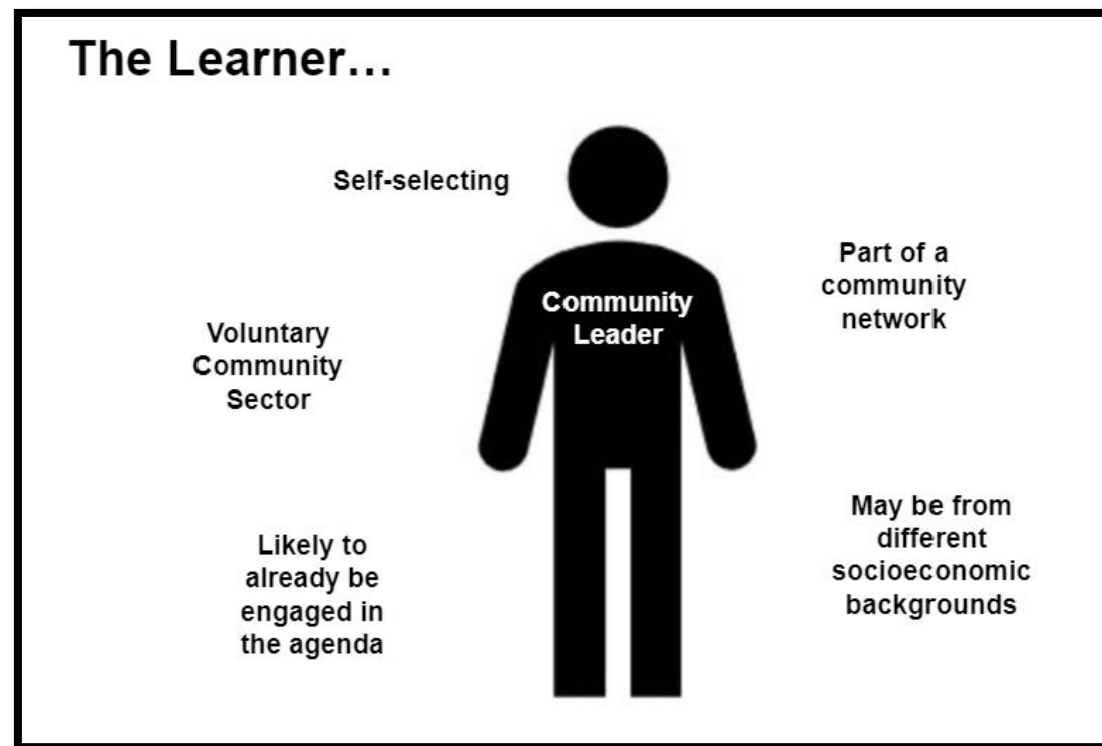
- Place-based local impacts
- Green jobs
- Insulating homes
- Reducing waste and saving energy
- Protecting nature and green space
- Creating a healthier society
- Protecting future generations



2. Deliver training – Toolkits

Local Authority Community Leaders Toolkit

Carbon Literacy
Project



2. Deliver training – certify a course



- Create a course specific to your audience against the Carbon Literacy Standard
- Send it over to The Project for Criteria Checking

| Criteria Checking | | | | | | | | | | |
|--|---|----------------|----------------|--------|-----------------------------------|----------------------------|---------------------------------|---------------|--------|---------------|
| | Workplace Organisational Turnover <small>(Public Sector pricing capped at £5M-£100M tier)</small> | | | | Education Organisation Type | | Community Initiative funding | | | |
| | £100M+ | £5M - £100M | £250k - £5M | <£250k | Univ, CoFE, Tertiary | High, Primary School | £1M+ | £100k- £1M | <£100k | No Funding |
| Scheme Approval: "Criteria Checking" <small>Includes initial conversation, criteria checking and review process, and follow up, visit and observation costs, and record-keeping.</small> | Criteria Checking of first training initiative within an organisation: | | | | | | | | | |
| | £1500 | £750 | £500 | £300 | £600 | £300 | £500 | £300 | £200 | Free |
| | Criteria Checking of subsequent training initiatives within the same organisation (subject to price changes): | | | | | | | | | |
| | £750 | £375 | £300 | | | | £200 | | Free | |

3. Spread the word!

Carbon Literacy
Project



- Encourage others to deliver training
- Promote Toolkits
- Promote open courses
- Promote the value, impact and importance of Carbon Literacy training
- Carbon Literacy training as an investment.



The Carbon Literacy Project



Miranda Cooper

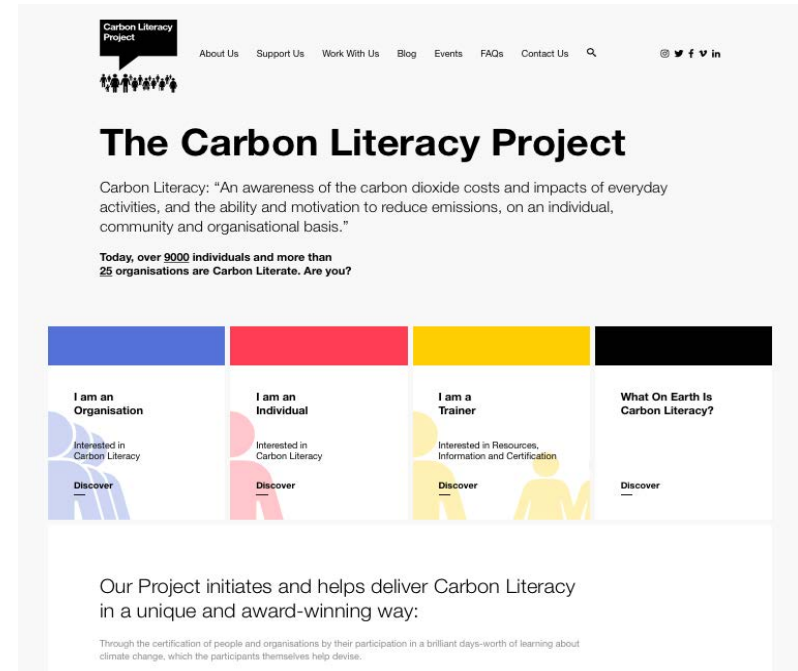
info@carbonliteracy.com

localauthorities@carbonliteracy.com

0161 298 1782

www.carbonliteracy.com

Twitter: @Carbon_Literacy, #CarbonLit, Facebook @CarbonLiteracy,



Action on Climate Emergency

Net Zero by Three Zero

Allan Wilson
Vice-Chair SALC

Purpose, Process and Outcome

- Purpose : To present education as an essential ingredient to bringing about behaviour change
- Process : This presentation plus questions now and later
- Outcome : You will go away fired up with help to make action happen

Save Our Shropshire CIO – changing behaviour

1. We are committed to combatting the climate emergency for Shropshire through people
2. We will only avoid disaster if people change their habits and behaviours – through education.



Climate Science 101

1. It's Warming¹ ©KA_Nicholas²

2. It's Us²

3. We're Sure³

4. It's Bad⁴

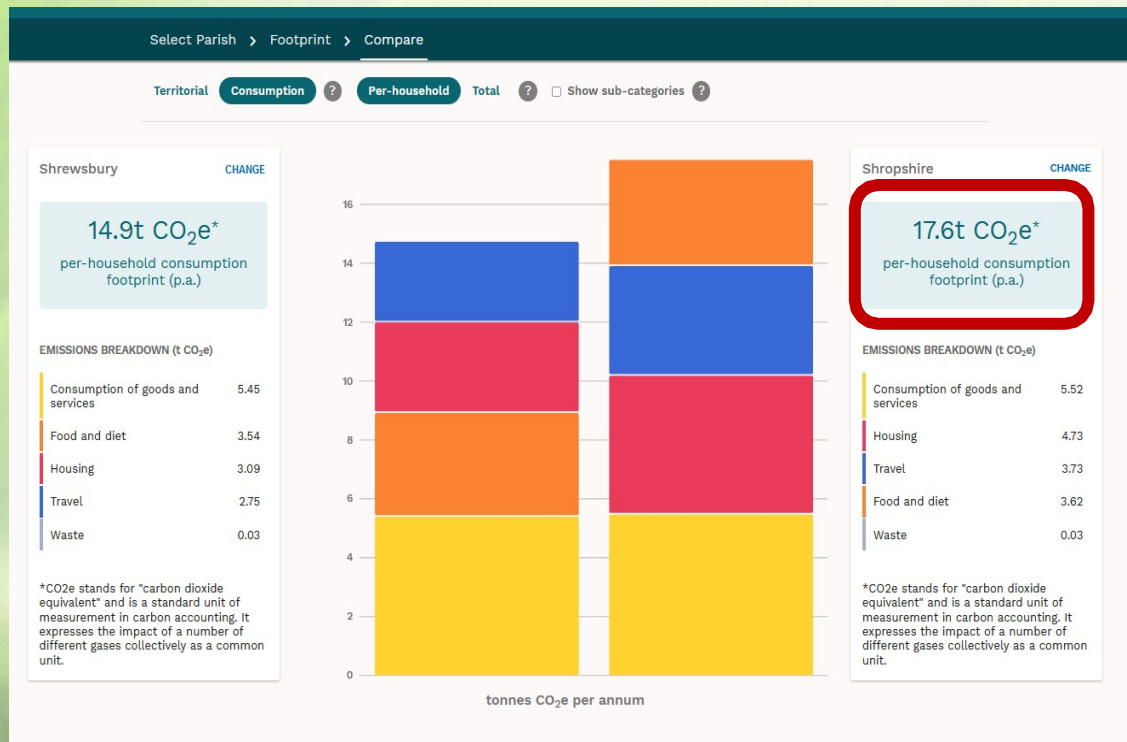
5. We Can Fix It⁵

1. IPCC AR5 WG1, "Warming of the climate system is unequivocal." 2013.
"Extremely likely (95%) human influence has been the dominant cause of observed warming since mid 20th c." IPCC WGI, 2013.
92% of scientists convinced (Drazenovic, 2014); 93% Andrey.
Widespread impacts on water, food, ecosystems. (IPCC WG2, 2014).
See: Kavinicholas.com/we-can-fix-it-world-safe!

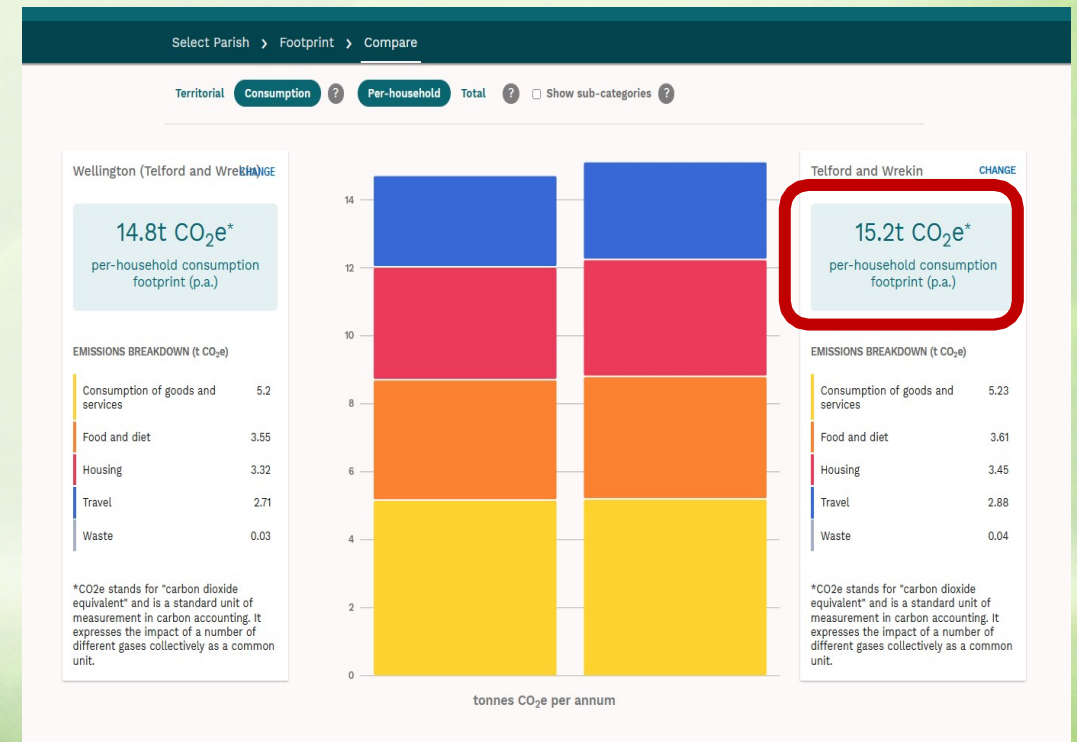
**THE MISSION IS
TO FIX IT**

What is the size of the problem in Shropshire County?

Shropshire Council



Telford and Wrekin council



Source : Centre for Sustainable Energy “Impact” tool 2021



**The real source of the
problem - behaviour**

The Shropshire Challenge – get Climate Emergency on their agenda

| Community | Number |
|----------------------|---------|
| Households | 205,000 |
| Population | 502,000 |
| Parish/Town Councils | 250 |



502,000 people in 205,000 households must eat, heat, travel, insulate, waste less, and plant trees to get to net zero by three zero.

250 parish councils should facilitate this.

Cascade Education

Parish Council Course

Audience

Chairs and Clerks of Councils

Delivered by SOS CIO and Climate Champions

Education

Town/
Parish
Leaders

Town/Parish
Councils

Climate Champions

Educated Voluntary Sector Leaders

Educated Households

Carbon Literacy Project



Carbon Literacy Project



Householders' Course

Audience
Householders

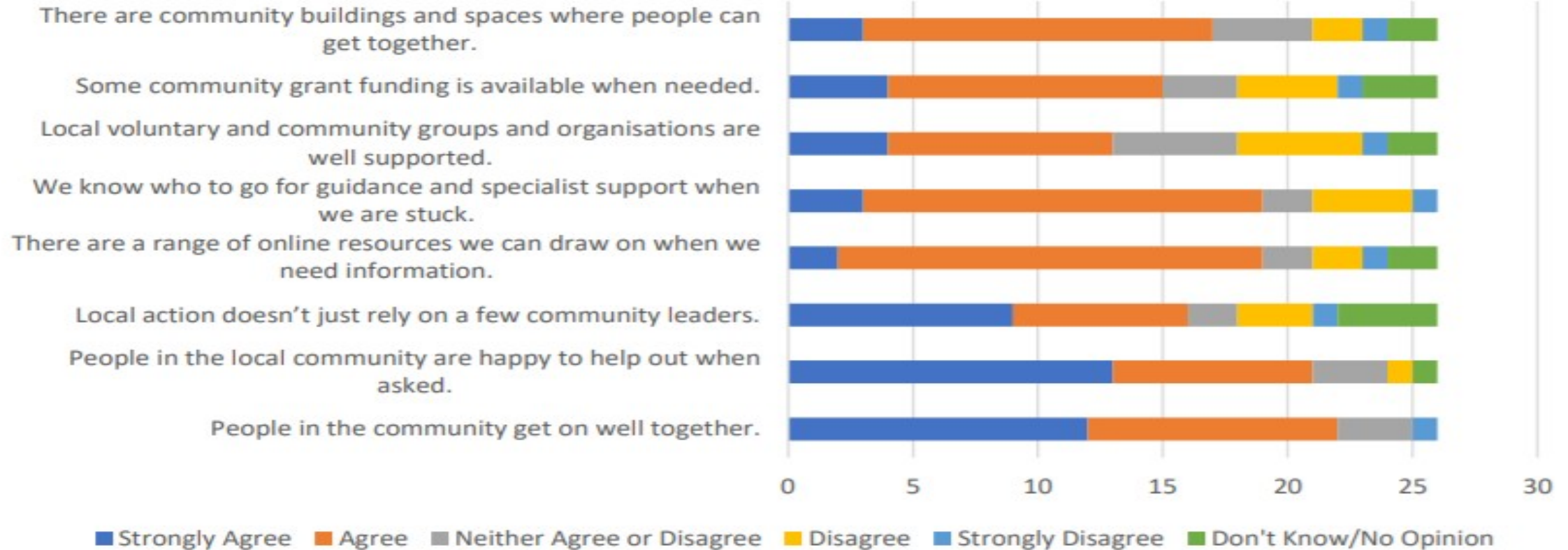
Delivered by SOS CIO and Climate Champions

SALC and VSCA Survey – June 2021

- The aim was to use both surveys to learn more about the post Covid19 environment:
 - How local communities have responded to the coronavirus pandemic
 - Any concerns or issues currently being faced or identified community concerns for the future
 - Organisational support needs
 - How local partnerships are benefiting local people
 - Examples of good practice
 - Ideas, suggestions and opportunities for the future.
- Supporting the research were the organisations which represent the voluntary and community sector in both Shropshire and Telford:
 - Shropshire Voluntary and Community Sector Assembly (VCSA) and
 - Telford Chief Officers Group (Telford COG)

Community Responses

Community



Post Covid 19 environment networks

- How local partnerships are benefiting local people
- Examples of good practice
- Ideas, suggestions and opportunities for the future.

Recognition that working together is better!

Recognition that poverty, which had been hidden, is now there for all to see.

Increased kindness and generosity

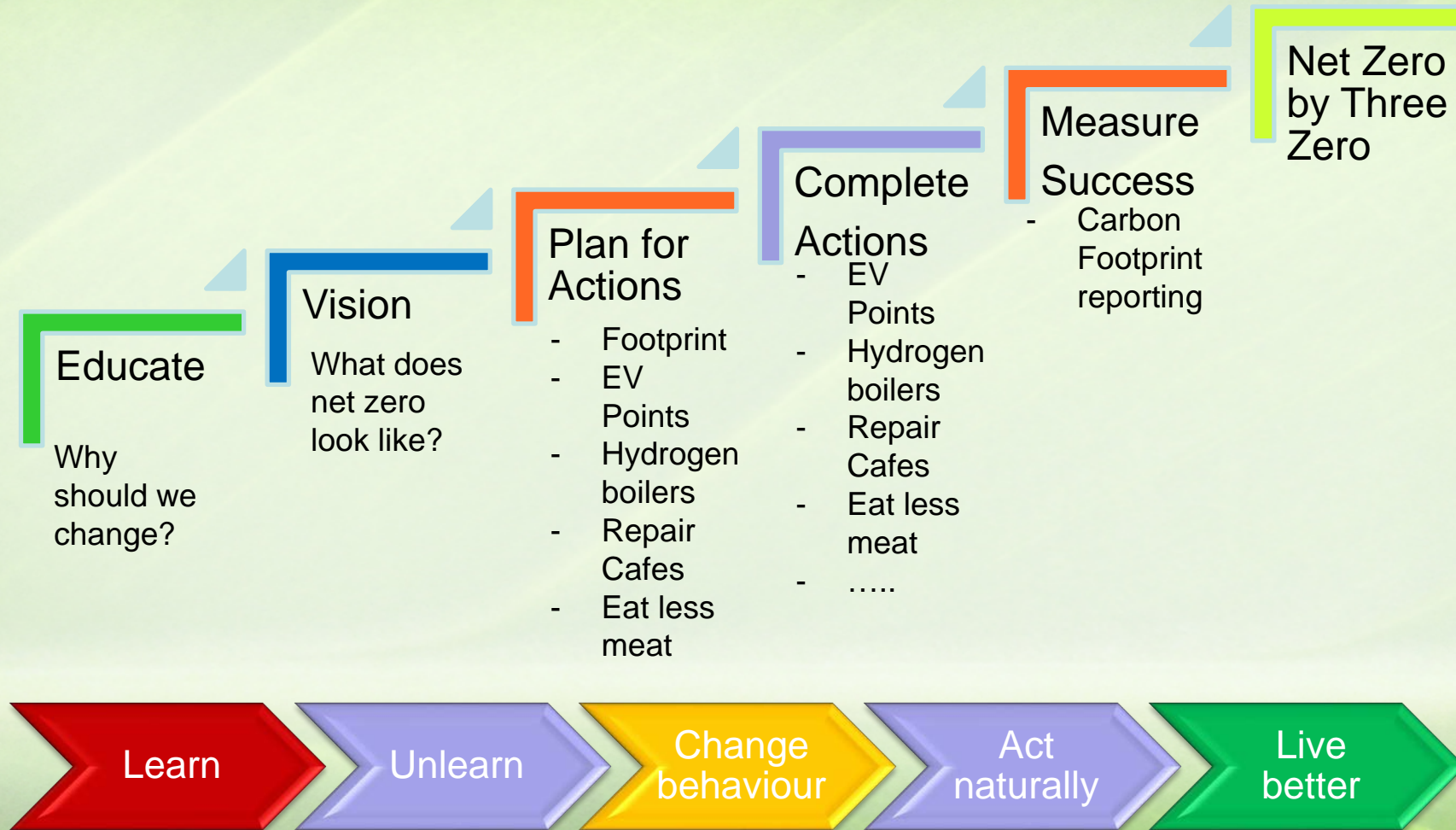
Recognition of the impact of loneliness & isolation and the need to address this –

communities are at the heart of this (Compassionate Community schemes are great for this)

- Climate Action increases Social Justice as everyone has a carbon footprint.
- We all have a lawful duty to become net zero by 2050 (The Climate Change Act 2008) working towards this common aim is good for all.
- **But we must remember:** “During the Pandemic there are individuals within our local communities who took on considerable responsibilities and were relied on for their leadership. The risk with a few people taking on a lot is that they may suffer ‘burn-out’ and should they be unable to continue their work, others may not be able to step in and support. **This has to be a community event for this to succeed**

Everyone has a part to play

The journey to success



Climate Emergency in Shropshire

1. Understand what has to be done
2. Organise to achieve
3. Plan the activities which will practically tackle climate change
4. Take Action
5. Measure and review

NET ZERO CARBON and the THIRD SECTOR

STEPS

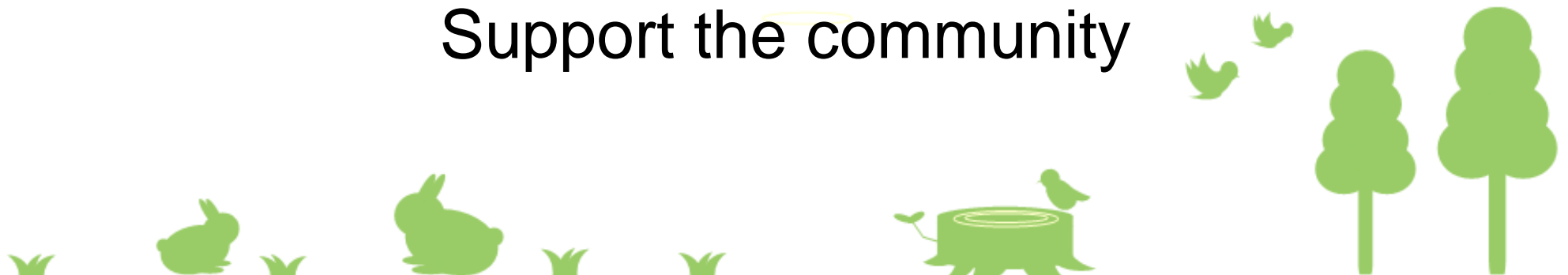
Recognise the need for action

Consider the Impacts

Develop a vision and plan

Deliver actions

Support the community



COMMUNITY

- Climate Partnerships
- Marches Energy Agency
- Sharenergy and Big Solar
- Shropshire and Telford Community Energy
- Rural Communities Charity
- AGE uk
- Shropshire Wildlife Trust



ACTION PLAN

- Training for Staff, Volunteers, Trustees
- Decarbonisation of Buildings, Transport
- Management of Resources
- Social Value in Procurement
- Ethical Investments and Funding
- Carbon Footprints
- Tree Planting and Green Spaces

