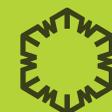


Telford & Wrekin Council

# Becoming carbon neutral Action Plan

Annual update 2021



Telford & Wrekin  
COUNCIL

Protect, Care and Invest  
to create a better borough



# Scope

The Council declared a Climate Emergency on 25th July 2019. As part of the response to this, the Council has committed to ensuring that its operations and activities are carbon neutral by 2030. This action plan, updates the actions that the Council has taken to reduce its carbon footprint and also details new actions which are being put in place to deliver further improvements. The Action Plan is a living document which will continue to be updated as data, funding, best practice and national policy develops.

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## Our Journey to date

The Council has made good progress in reducing emissions from the Council's operations, with a 36% decrease in 2019/20 compared to the previous baseline year. This is as result of successfully implementing a wide range of carbon reduction measures, key achievements over the last 12 months are highlighted in the following figure:



**Solar panels and LED lighting**  
fitted (8 projects complete, 8 in progress)

**CO<sub>2</sub>e SAVING 268 tonnes**

**(Enhanced) green electricity tariff**  
for Council buildings and schools

**CO<sub>2</sub>e SAVING 1,252 tonnes\***

**Cycle 2 work scheme**

**CO<sub>2</sub>e SAVING 16.5 tonnes**

**£1.3m funding for heat pumps and better insulated buildings**

**CO<sub>2</sub>e SAVING 800 tonnes\***

**6 new electric vans**

**CO<sub>2</sub>e SAVING 6 tonnes per annum**

**174 new cycle stands**

across Telford and Wrekin

New  
**natural cooling system**

**CO<sub>2</sub>e SAVING 60 tonnes per unit<sup>a</sup>**

46 Nuplace homes  
being built with **solar panels**  
and **charging points**

More than 500 additional  
**LED street lights**,  
99% of lights now converted

**CO<sub>2</sub>e SAVING 7,414 tonnes<sup>b</sup>**

**£100k of community grants**  
for climate change projects

\* approximate CO<sub>2</sub>e saving

<sup>a</sup> compared to conventional air conditioning

<sup>b</sup> since April 2017 compared to 2016/17 benchmark

<sup>c</sup> Compared to the 151,448 miles of business mileage claim by staff in April 2019, staff claimed approximately half this amount, 76,203 miles, in April 2020.



**Over 1,400 employees home-working**  
saving on printing and travel

**CO<sub>2</sub>e SAVING Printing: 5.2 tonnes per month\***

**CO<sub>2</sub>e SAVING Mileage<sup>c</sup>: 22 tonnes per month<sup>c</sup>**

2,400 computers replaced with laptops  
**using 80% less electricity**

**CO<sub>2</sub>e SAVING 200 tonnes**

recycling services

**saved 20,000+ tonnes of emissions**  
equivalent to 10,000 cars off the road

**4,000 engagements** with climate change  
social media posts, including **more than**  
**2,000 suggestions** from  
residents



**New  
Climate Change Champion  
volunteers**

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**More than 8,600 free trees**  
for residents and organisations

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**Storing carbon by  
planting species-rich  
grassland**

**CO<sub>2</sub>e SAVING 9 tonnes CO<sub>2</sub> storage**



Telford & Wrekin  
**Climate Change Partnership  
set up** with 33 organisations involved

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**New  
Telford Energy Advice service**  
for residents

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**Food waste recycling**  
in Council offices

**CO<sub>2</sub>e SAVING 1.25 tonnes CO<sub>2</sub> per month\***

**We recognise that to achieve the 2030 target we have to go further.**



Councillor Carolyn Healy, Cabinet Member for Visitor Economy, Historic & Natural Environment and Climate Change, with one of the Council's new electric vans.

The actions set out in our plan on page 10 onwards identify the further opportunities we have identified to reduce carbon emissions relating to the Council's operations and activities. The Council will continue to engage with staff, contractors and stakeholders to expand the plan and the range of actions that help us to meet our target.



# What is counted as the Council's operations and processes?

## Corporate estate

Including: Abraham Darby Leisure, Addenbrooke House, Darby House, 78 -81 Dodmoor temporary accommodation, Arthog, Bishton Court Unit 1, Crescent Road Changing Rooms, Doseley Pavilion, Edgmond Pavilion, Hartshill Pavilion, Herbert Avenue Changing Rooms, Horsehay Golf, The Wharfage Public Toilets, Ketley Bank Changing Rooms, Ketley Brook Travellers Site, Lakewood Court C011, Lakewood Court C036, Leegomery Changing Rooms, Madeley 3g Pitch, Madeley Library, New Activity Hub, Newport Library, Newport Leisure, Oakengates Bandstand, Oakengates Leisure, Oakengates Theatre (The Place), Overdale Community Centre, Shukers Field Changing Rooms, Southwater One, Stafford Park 11 Unit B4, Sutton Hill Changing Rooms, Sutton Hill Children's Centre, Market Square Public Toilets, Telford Ski Centre, Telford Ice Rink, Tibberton Sports Pavilion, Unit 5 Leegomery Centre, Wellington Chapel of Rest, Wellington Civic & Leisure.

## Street lighting

## Transport and travel

Including vehicles:

-  owned by staff and miles claimed carrying out their duties;
-  owned by the Council and used by staff on Council duties;
-  owned by staff getting to and from work;
-  And Wrekin Rider miles.

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## Measuring our carbon emissions

Since the baseline year of 2018/19, Telford & Wrekin Council's carbon emissions have reduced by approx. 2,903 tonnes CO<sub>2</sub>e (36%) from 7,958 tonnes CO<sub>2</sub>e to 5,055 tonnes CO<sub>2</sub>e in 2019/20.

The Action Plan includes values for carbon reduction for actions where these can be calculated at this point in order to plot our journey to carbon neutral.

It is important to note that these figures are based on a range of sources and best available information. We will continue to develop and strengthen our data including engaging with our contractors, suppliers and Council Teams.

## Monitoring

The Action Plan is a live document that is owned by the Council's Cabinet and Senior Management Team (SMT). The Action Plan is monitored by the Council's Climate Change Working Group and Coordinator. They provide monthly progress updates to the lead Director and Cabinet Member, who brief the wider SMT and Cabinet, as well as regular updates to Environment Scrutiny Committee. We will move to reporting emissions every six months (September/March). This will include reviewing any assumptions utilised; developing future actions and pressing for additional Government funding to support us to achieve our goals.

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This will help us to:

- 🌍 Identify whether this plan needs to be amended if our actions are not strong enough to fully tackle the problem
- 🌍 Forecast an emissions timetable to follow and to check whether we are on target to hit our 2030 deadline



## Borough-wide

This Action Plan does not set out how the Borough as a whole will reach carbon neutrality. Although it does identify ways that the Council can use its powers to support the transition to a low carbon future, such as through land use planning and the provision of infrastructure. The Council has set out an aspiration, working with partners, residents and businesses to achieve the goal of Borough neutrality by 2030.

To address the Climate Emergency, the Council established the Telford and Wrekin Borough Climate Change Partnership to work collaboratively with Town and Parish Councils, the private sector, educational establishments and others to draw upon our Borough partners' knowledge and expertise to further the Climate Change agenda Borough-wide.

Trees4TW - idverde UK crews delivering 8,600 saplings to residents, schools, community organisations and groups.



# Becoming carbon neutral Action Plan 2021/22

This action plan describes the actions the Council will take to reduce carbon emissions in line with our commitment to achieve carbon neutrality by 2030.

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council buildings</b>					
1	Implement a programme of retrofit schemes across Council owned buildings, maximising funding via the Marches Local Enterprise Partnership low carbon tech support programmes such as the Sustainable Energy in Public Buildings (SEPUBU)	SEPUBU Funding to end December 2023	It is estimated that this will achieve reductions in annual primary energy use of 2.06 GWh and annual greenhouse gas emissions savings of 660 tonnes CO <sub>2</sub> e.	In progress	<p>To date, eight Council retrofit projects have been completed, saving 268 tonnes CO<sub>2</sub>e. Funding approval has been gained for Oakengates Theatre from SEPUBU and works have started on site for solar electricity panels, also known as photovoltaics (PV) (they capture the sun's energy and convert it into electricity). The PV is of size: 37.4KW, which will produce: 33,540 kWh PA and avoid emissions of 17,775kg pa. Funding is being sought for a pipeline of new projects, which include:</p> <ul style="list-style-type: none"> <li> PV at Oakengates Leisure Centre</li> <li> LED lighting and solar car port on the roof of Southwater One</li> <li> LED lighting and solar PV on buildings or solar on the golf range</li> <li> Solar PV and LED lighting at Abraham Darby Leisure Centre</li> <li> LED lighting and solar PV at the Arthog Outdoor Education Facility</li> <li> LED lighting and solar PV on buildings or Solar Carport at Madeley Ski Centre</li> <li> Solar PV and LED lighting at Southwater Visitor Centre.</li> </ul>

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
2	Implement new power settings and usage controls on laptops, monitors and printers to reduce energy usage when not in use	December 2022	75 tonnes CO <sub>2</sub> e	In progress	Opened discussions with suppliers. Awaiting supplier information on best settings to implement and any pre-requisites or other variables to consider.
3	<p>Identify and deliver a programme of energy efficiency improvements in Council buildings and school buildings including analysis of energy usage with WME.</p> <p>As well as ensure any roof-top maintenance works to council buildings and schools consider installation of solar PV to help reduce costs of installation.</p>	April 2025	Target to reduce energy costs by £20-£25K pa equating to 200,000 kWh or 52 tonnes of CO <sub>2</sub> e.	In progress	<p>As part of extension and refurbishment of school buildings the Council will meet or better building regulations via the use of energy management, LED Lighting, Solar PV, improved thermal values and air admittance. For example: the Council are building an extension at Langley School. This has improved U values (reduced heat loss) and the Council has installed LED lighting.</p> <p>Quarterly meetings are held with WME to scrutinise data and where possible identify energy efficiencies.</p>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
4	Roll-out of Windows 10 devices to staff and Members.	April 2021	A typical desktop computer uses 868kW of electricity per year. The Council has replaced computers with laptops which use 80% less electricity than a desktop computers. 2,400 desktop computers have been replaced by laptops. Saving 200 tonnes CO <sub>2</sub> e emissions.	Complete	Roll-out complete.
5	Relocating the ICT server room and installing natural cooling	April 2021	New datacentre will use natural cooling, each unit will save over 60 tonnes of CO <sub>2</sub> e when compared to conventional air conditioning.	In progress	Installation will be carried out 15/02/21, with completion on 12/03/21.
6	Review opening arrangements for main Council administrative buildings over Christmas while maintaining all essential services	April 2021	Shutting the Darby House and Addenbrooke House for Christmas saves 6.4 tonnes CO <sub>2</sub> e	Complete	Over the Christmas period in 2020, all office buildings were closed.

## 12 **Becoming carbon neutral** Action Plan

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
7	Define and implement an optimum flexible working pattern to reduce the carbon impact of staff travel and enable reduction in required office space as well as updating key employment policies such as flexible working to minimise the carbon impact of employees at work	April 2022	<p>To be determined following completion of accommodation review. Closing one core office will save 67 tonnes CO<sub>2</sub>e</p> <p>The 2019/20 footprint was only slightly affected by Covid-19 restrictions, as the Council's accounting year runs from 1st April 2019 to 31st March 2020. The Covid-19 restrictions started in mid-March 2020, and this was when the majority of staff started working from home. The effects of Covid-19 restrictions will be included when we report on the accounting year 2020/21.</p>	In progress	<p>As a result of the Covid-19 pandemic, the majority of office-based staff have worked from home for significant periods during 2020/1. The carbon savings made will be significant and we will update our monitoring at the end of this financial year in March 2021 to assess the full year impact on our emissions. The pandemic has highlighted the benefits of staff working from home and has presented an opportunity for the Council to explore a blended way of working with staff working a portion of their time at the office and at home. Since the Council are looking at blended ways of working the Council will explore on how best to account for energy being used at homes by employees while undertaking Council work.</p> <p>An accommodation survey has gone out to employees to establish what the office requirements will be in the long term.</p> <p>Agile working/working at home policies are currently being developed to define working arrangements/expectations post Covid-19.</p>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
8 (n)	Explore the possibility of having the Ecosia internet search engine, on desktops alongside the default search engine as a visible icon.	December 2022	Ecosia use profits from every search to plant trees.	New action	Source of action: Member drop-in session.
9 (n)	Install Ground Source or Air Source heat pump technology and improve the thermal efficiency of council owned buildings	December 2022	Circa 800 tonnes CO <sub>2</sub> e savings.	In progress	<p>Source of action: Employee suggestion.</p> <p>The Council has been successful in securing Low Carbon Skills funding which enabled us to assess the feasibility of installing heat pumps and thermal insulation technologies in seven Council buildings. This resulted in four bids being submitted to the Public Sector Decarbonisation Scheme in January 2021, of which two schemes (Oakengates and Newport Leisure Centres) have been awarded grant funding of £1.37m. In parallel with delivering these projects, we will review whether the schemes that were not awarded grant funding can be taken forward as invest to save projects.</p>

## 14 **Becoming carbon neutral** Action Plan

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Borough buildings</b>					
10	Explore opportunities to improve the energy efficiency of the Council's Property Investment Portfolio (PIP)	December 2025	The PIP is excluded from the Council's baseline as we are not in control of energy use by tenants/residents, however the carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	The Council are currently exploring opportunities at Southwater Car Park to install LED Lighting and a solar car port on the roof. A Salix loan has been submitted. Another Salix loan application is being worked upon for 67 New Street Wellington (retail/office accommodation) for replacement lighting and replacement of the gas heating system.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
11	Explore opportunities to deliver carbon reduction/efficiency in the development and operation for new property investments including Ni Park	December 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	Tender for Ni-Park Phase 1 includes electric charging points for vehicles and PVs on units. Contract awarded December 2020 with completion of development in Q3 21/22.
12 (n)	Develop a business case for large-scale investment in schools and community rooftop mounted solar PV to include a review of options around how best to pass on the energy generated (Power Purchase Agreement, Sleeving, Private Wire etc).	December 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action – Resident's survey, Telford and Wrekin Borough Climate Change Partnership, best practice research.

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council transport</b>					
13	Develop and implement a Corporate Travel Plan minimising car travel for commuting and between offices	April 2022	Circa 133 tonnes CO <sub>2</sub> e	In progress	As a result of the Covid-19 pandemic, the majority of office-based staff have worked from home for significant periods during 2020/1, which has led to significant reductions in business mileage. For example, in April 2019, staff claimed 151,448 miles (43.1657 tCO <sub>2</sub> e) of business mileage, however in lockdown in April 2020, this reduced to 76,203 miles (21.7194 tCO <sub>2</sub> e)– which is nearly half. A commitment has been made to sustain a 30% reduction in business mileage on an ongoing basis from April 2021. The Council has commissioned work to implement a new Corporate Travel Plan in 2021 that will set out the approach to delivering this target.
14	Implement a Cycle to Work scheme for employees.	April 2021	On the basis of a 250 employee take up, the carbon saving would equate to 55 tonnes CO <sub>2</sub> e.	Complete	Back to Bikes initiative launched on 11th November 2020 and includes a Cycle 2 Work scheme from Halfords (which includes some independent bike stores) as well as various discounts and offers from local independent cycle stores across the Borough. Regular management information will be available monthly in order to monitor take up against the target. A virtual roadshow will be held in 2021 to encourage employee take up. 15 members of staff have joined the scheme as of December 2020 which equates to 16.5 tonnes CO <sub>2</sub> e of savings.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
15	Explore options for schemes to encourage employees to make greater use of public transport, such as travel loans for rail and bus passes	December 2022	Supports savings linked to Action 12 - circa 133 tonnes CO <sub>2</sub> e based upon the target to reduce business mileage on an ongoing basis from April 2021	In progress	Employee discount in place for Arriva bus travel across the Borough. Nine Telford & Wrekin Council employees are taking advantage of the travel club scheme and this will be promoted more widely to increase take-up. Currently, the Council are exploring options for train travel discounts for staff. Other schemes also being explored are employee discounts on electric car charging points.
16	Explore the replacement of pool vehicles with ultra-low emission vehicles	December 2030	There are 31 pool vehicles averaging approx. 268,000 miles a year, equating to approx. 72 tonnes CO <sub>2</sub> per annum. If these were to be replaced with ultra-low emission vehicles, there is the potential on average to save 52 tonnes CO <sub>2</sub> e dependent on the vehicle type.	In progress	The first six EV vans have been delivered and have been operational since November 2020, saving 6 tonnes of CO <sub>2</sub> per annum. The Council will procure a further three EV vans for the Enforcement Team in 2021. A report on the rest of the Council's fleet has been undertaken by the Energy Saving Trust and will be reviewed in 2021.

## 18 **Becoming carbon neutral** Action Plan

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
17	Procurement of a multi partner electric vehicle framework and deployment across car parks in Telford and Wrekin – not limited to Telford & Wrekin Council ownership	April 2022	Supports the wider Borough switch to low emission vehicles.	In progress	To go out to procurement in Q1 2021.
18	Review Council's Fleet Services to ensure optimum efficiency and carbon reductions	April 2022	To be determined, once data is available.	In progress	Transport review process has commenced with implementation of measures in 2021.
19	Run a campaign to promote electric vehicles via the Zenith Salary Sacrifice Car Lease Scheme	April 2022	To be determined – target for future uptake of EVs via Lease Scheme to be agreed.	Ongoing	A promotion campaign took place in September 2020 highlighting offers available on electric vehicles and providing information on EVs. The Council are liaising with Zenith on a communications plan to promote EVs each month. Currently 10% of employees who have a Zenith vehicle have an EV vehicle. Another roadshow is scheduled in July 2021.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
20 (n)	Install charging points for electric vehicles at Darby House	December 2022	This may potentially increase electricity usage on Telford & Wrekin Council owned car parks, however greater use of EVs would contribute towards reducing the Borough's carbon impact.	New action	Source of action: Resident's survey, Environment Scrutiny Committee
<b>Borough transport</b>					
21	Improvements to bus and rail services	December 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	Rail - Midlands Connect, electrification study ongoing. The Council are also working with Howarth on rail provision in Ironbridge.  Bus Services and active travel - various studies and projects are being progressed.
22	Improvements to cycling and walking routes as well as a review of the Local Transport Plan to include a new Walking and Cycling Strategy	December 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	The Council has launched a £2.6m Travel Telford Sustainable Transport fund, which has funded:  <ul style="list-style-type: none"> <li> A new cycle parking scheme to provide an extra 300 cycle stands (600 spaces) across the borough.</li> <li> A wide ranging inspection and maintenance review of the borough cycling and walking routes, starting with our cycling network, to identify any immediate and longer term improvements needed</li> </ul>

## 20 **Becoming carbon neutral** Action Plan

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
					<p>In the longer term, there will be improved publicity and mapping of the network as well as connecting more walking and cycling paths to make an even better network.</p> <p>The Council will also trial new facilities which could include cycle lanes and bike parking in areas such as the Wrekin, and also bring forward improvements for pedestrian and cyclists outside schools.</p> <p>On 13 November 2020 the government announced Tranche 2 of the Active Travel Fund which is aimed at cycling or walking schemes that are permanent and not experiment or pilot schemes subject to public consultation after implementation. Telford &amp; Wrekin Council received a funding allocation of £229,500 for the following scheme: The A518 Connectivity Package, which will improve the connectivity of the National Cycle Route 55 through the installation of a permanent footway/cycleway adjacent to the A518.</p>
23	Explore the provision of a 100% renewable fast charging Electric Vehicle Forecourt	December 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	The Council is working with different providers to identify a viable site.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
24	Explore initiating a public e-bike hire scheme for the Borough: subject to market interest implement a cycle hire scheme with a company, on a trial basis	December 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	A feasibility study commenced in January 2021 with completion in April 2021 from which this initiative will be explored further.
25 (n)	Explore greener taxi licensing - encourage taxi drivers to licence electric vehicles	December 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action – best practice research and resident's survey and member drop-in session.

### Borough housing

26	Aim to reduce the carbon footprint of Station Quarter (the vacant land between the railway station and the shopping centre)	December 2024	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	Hybrid planning application being prepared covering information on project enabling works, public realm and first development phase with outline detail on the development zones. Carbon reduction opportunities will be scoped as part of this exercise. Target submission date for planning application Q2 21/22. Target date for delivery of first residential phase Q4 23/24.
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Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
27	Explore carbon reduction proposals for future NuPlace developments (housing company wholly owned by Nuplace), focussing initially on the next phase of the existing programme equating to 60 homes.	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	<p>Southwater Way: Planning application approved for 46 homes off Southwater Way - all properties to include PVs and EV charging points - works started on site in Nov/Dec 2020. Completion Spring 2020.</p> <p>Granville, Donnington: Energy Consultant appointed to develop proposals for low carbon development for a 325 unit scheme. The range of carbon reduction technologies being considered on the scheme include fabric upgrades, water heat recovery, electric car charging points, solar panels, alongside water diverters on larger properties. Start on site July 2021. Site completion: March 2025.</p> <p>10 to 15 Nuplace properties are to be built to the Future Homes standard and will be electrically heated with PV/battery storage.</p>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
28	Promotion of energy efficiency activities addressing fuel poverty for eligible residents	December 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	<p>LAD2 - Central Government's Local Authority Delivery programme – Telford &amp; Wrekin Council have been allocated, by the Midlands Energy Hub, £520,000 capital funding to improve heating and/or insulation of some of the least energy efficient housing stock in the borough. In line with our climate change aspirations, fossil fuel heating cannot be included in this programme - delivery by December 2021.</p> <p>Telford &amp; Wrekin Council's Statement Of Intent was published on 17th December 2020. The SOI is a public statement of the criteria set by the Council to identify households eligible for energy efficiency measures.</p> <p>Telford Energy Advice Centre (TEA) –from June 2020, has received 150 enquiries to date, with all clients receiving help and advice. 66 referrals being made to our ECO partner, AgilityECO. The service has been promoted through podcasts, press releases and staff refresh training – with a new communications plan currently being designed to raise awareness of the service, making it easier for residents to access grant funding and advice.</p>

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
29 (n)	Enable a group buying scheme for domestic solar PV and battery storage eg Solar Together or a local alternative	December 2023	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of idea: Resident's Survey, best practice research, Environment Scrutiny Committee.
30 (n)	Explore employee discount or salary sacrifice schemes for solar/battery installations	December 2022	Circa 102 CO <sub>2</sub> e savings based upon the Energy Saving Trust who state that a typical home solar PV system could save around 1.3 to 1.6 tonnes of carbon per year, depending on where in the UK you live. Based upon 1 in 20 employees taking up the initiative.	New action	Source of action: Employee suggestion, best practice research, Environment Scrutiny Committee.

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
31 (n)	<p>Whole house retrofit programme - stock owned by Telford &amp; Wrekin Council eg temporary accommodation/supported accommodation or loans to private landlords. EPC below C to be taken up to C and above. Pilot retrofit programme to improve insulation standards and reduce fossil fuel heating - in line with carbon neutral target of 2030</p> <ul style="list-style-type: none"> <li> Apply for Local Authority Delivery funding (LAD)</li> <li> Explore options to use Energy Company Obligation (ECO) funding</li> <li> Be actively involved with WMCA/SHAP Warm Homes save lives</li> </ul>	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion, best practice research

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council street lighting</b>					
32	<p>Build on the conversion to date of over 20,000 traditional street lighting to LED lighting and to convert the remainder of the highway and footway street lighting assets:</p> <ol style="list-style-type: none"> <li>1 Conversion of seven high mast lights on roundabouts</li> <li>2 Conversion of 423 adopted non LED lights which exceed the original contract projections</li> <li>3 Conversion of 263 newly/to be adopted non LED lights</li> <li>4 Conversion of floodlights at Council managed public car parks</li> </ol>	December 2022	Since the contract started in April 17, the Council has saved 7,414 tonnes of CO <sub>2</sub> compared to the 16/17 year benchmark.	In progress	<p>The conversion of traditional street lights to LED currently is 98.98%. Majority of remaining lights to be converted are wall lights and lights mounted on wooden poles.</p> <ol style="list-style-type: none"> <li>1 High mast conversions - works have started on three of the sites but work has been delayed over Summer 2020 due to Covid-19 and other working constraints.</li> <li>2. Converted 423 non LED lights over and above original contract projections – these have been completed.</li> <li>3 144 out of 263 lights have been converted on newly adopted non LED lights.</li> <li>4 Work on conversion of council owned carpark floodlights has commenced with a pilot at Oakengates Leisure Centre.</li> </ol>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
33	Opportunities to be identified to replace non-LED lighting at the Town Park and Council owned car parks and at Council managed buildings	December 2022	Approximately 5 tonnes CO <sub>2</sub> e but this will be revised as more data becomes available.	In progress	External LED lighting will be installed as part of repair and refurbishment within the Town Park.

### Borough finance/grants

34 (n)	Investigate options for residents and community groups to invest directly in climate change schemes in the Borough, such as community investment bonds via a crowdfunding platform provider. This is subject to carrying out full due diligence regarding the financial and legal aspects of such a scheme, including ensuring that the rate offered would not result in the Council subsidising private lenders	April 2025	To be determined, once data is available.	New action	Source of action: Shropshire Climate Action Partnership, employee suggestion, best practice research
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Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council finance/grants</b>					
35 (n)	Community carbon reduction grant - small grant (up to £5k) for organisations to implement carbon reduction measures - £100k funding agreed	April 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	Source of action: Telford and Wrekin Borough Climate Change Partnership, Town and Parish Councils, best practice research, Resident's Survey.  The grant scheme was launched on 19th February 2021.
<b>Council energy</b>					
36	Switch to a green electricity tariff	April 2021	Since the baseline year of 2018/19, Telford & Wrekin Council's carbon emissions have reduced by approx. 2,902.72 tonnes CO <sub>2</sub> e (36%) from 7,957.72 tonnes CO <sub>2</sub> e to 5,055 tonnes CO <sub>2</sub> e in 2019/20. The decrease has been achieved by implementing a range of carbon reduction measures, such as moving to a new green electricity tariff.	Complete	The Council has procured an enhanced electricity tariff which ensures that all Renewable Energy Guarantees Origin (REGO's) are sourced from a generator or technology directly contracted with Total Gas and Power. This ensures that 100% of the REGO's are purchased along with the associated generation. The sources remain solely wind, solar, and hydro. This will be available from April 2021.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
37	Carry out a heat mapping and energy master planning study to determine the potential to expand and decarbonise the existing Energy Centre in Southwater, which currently provides heat and power to Telford Ice Rink and Southwater One	December 2022	The savings are approx. 73 tonnes CO <sub>2</sub> e - based on data from the original modelling of Southwater Heat Network Report. From further research, this could be significantly higher. Some of the additional savings could contribute towards the Borough footprint.	In progress	The Invitation to Tender (ITT) has been issued. The Council are hoping to award the tender mid-April, with a study completion date of June 2021.
38	Explore and identify further opportunities for renewable power generation on Telford & Wrekin Council owned land.	April 2022	Subject to the outcome of the review of opportunities and sites.	In progress	A review of Council-owned sites which are within 1-2km of sub stations with potential capacity has been carried out. The Council has asked Western Power Distribution for grid connection budget estimates for a number of potential Council-owned sites.

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
39 (n)	Explore the purchase of local bio-methane certificates (within the LEP /West Midlands region) to offset natural gas consumption in the short term, while actively reducing gas consumption in total.	December 2022	A significant part of the Council's energy consumption relates to gas use. The purchase of bio-methane certificates will reduce carbon emissions from gas use to net zero.	New action	Source of action: Employee suggestion, best practice research
40 (n)	Explore the potential for a renewable energy scheme to generate energy from abandoned mine workings – a mine water district network could see geothermal energy drawn from flooded mines to heat some developments in the Borough.	December 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Communications and engagement</b>					
41	Launch Sustainable Telford & Wrekin Website to provide a point of contact and information for the community	April 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	Complete	See <a href="http://sustainabletelfordandwrekin.co.uk/">http://sustainabletelfordandwrekin.co.uk/</a>
42 (n)	Include environmental volunteering in new My Telford App to incentivise local environmental action	April 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Environment Scrutiny Committee
43 (n)	Organise a Green Festival - showcasing food, stalls, speakers, activities and crafts etc. to raise awareness of climate change	December 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	Autumn 2021 *dependent upon Covid-19 restrictions	Source of action: Plastic Free Taskforce, within the Plastic Free Action Plan there is an action for all Council run events to be sustainable as possible.
44	Work with Parish and Town Councils to support and encourage the take up of actions to deliver carbon neutrality	Ongoing	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	Complete	The Council has developed a Climate Emergency Toolkit for Town and Parish Councils and have established a Town and Parish Climate Change sub-group (currently there are 16 Town and Parishes that are members) to feed into the Telford and Wrekin Climate Change Partnership via SALC (Shropshire Association of Local Councils) and the Parish Forum.

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
45	<p>Form a Borough Climate Change Partnership to work together with the Council and engage the wider community to develop and deliver a Borough-Wide Climate Neutrality Action Plan. The Council will:</p> <ul style="list-style-type: none"> <li> Establish the initial Partnership including public/private/voluntary organisations representing key sectors and partners active in the Borough, and facilitate the sharing of practice and learning to strengthen individual organisation action plans</li> <li> Support the Partnership in establishing a baseline carbon position</li> </ul>	December 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	The Partnership has been formed, the first meeting was on the 24 June 2020. The Partnership is currently working through sub-groups to develop a Borough Action Plan for consultation with Borough residents in April 2021.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
	<ul style="list-style-type: none"> <li data-bbox="197 316 553 499">  Work as a partner to develop proposals on how the Borough should address becoming carbon neutral;         </li> <li data-bbox="197 544 488 727">  Work as a partner to engage with and consult on the proposals with the wider community;         </li> <li data-bbox="197 772 517 956">  As a partner support the development and delivery of a Climate Action Plan for the Borough.         </li> </ul>				

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
46	<p>Develop and deliver an engagement programme for schools, community groups, interest groups and residents to promote climate change and gauge ways to support/get involved with the Borough Partnership:</p> <ul style="list-style-type: none"> <li> Provision of web based information on opportunities for achieving energy reductions and carbon savings, with signposts to further sources of information.</li> <li> Web based information on campaigns and/or initiatives to raise awareness and support on carbon reduction.</li> </ul>	Ongoing	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	<p>Website: complete see action 49.</p> <p>Campaigns: plastic-free; food waste recycling; World Environment Day; Cooperatives for Climate Action, Trees4TW.</p> <p>Toolkit: completed and shared with Town and Parish Council Sub-group. Provision of web based information on opportunities for achieving energy reductions and carbon savings, with signposts to further sources of information.</p> <p>Creation of the Climate Change Champions volunteer role (there are currently 16 volunteers). The core function of the role is to promote Climate Change and Sustainability, by encouraging effective resource use and leading by example to help Borough residents do the same through;</p> <ul style="list-style-type: none"> <li> sharing information with members of their community on how they can get involved;</li> <li> promoting local/national Climate Change and Sustainability campaigns;</li> </ul>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
	<ul style="list-style-type: none"> <li> A targeted advice service and active approach to carbon reduction with schools.</li> <li> A toolkit and support programme for working with Parish and Town Councils</li> </ul>				<ul style="list-style-type: none"> <li> helping the Council to promote Council Climate Change and Sustainability consultations to their communities.</li> </ul>
47	Updated promotion of Switch Telford – white label energy comparison and switching site.	April 2021	The carbon savings brought about by the action will count towards reducing the Borough’s carbon impact.	Complete	<p>Up to the end of November 2020, there have now been just over 2035 switches.</p> <p>Council campaigns have included raising awareness of the green tariffs that are available on Switch Telford.</p>
48 (n)	Introduce Pavegen system in Southwater. This system uses the power of walking to ‘charge’ smart benches and/or electronic signs. An interactive section of this paving would link into our climate change commitments to provide an education and engagement piece of street infrastructure.	December 2021	The carbon savings brought about by the action will count towards reducing the Borough’s carbon impact.	New action	Source of action: Employee suggestion

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
49 (n)	Implement a Low Carbon Advertising Policy	December 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Resident suggestion
50 (n)	Hold an annual youth climate summit – as part of this promote and increase take-up of Eco-Schools programme	December 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action *dependent upon Covid-19 restrictions	Source of action: Best practice research, Resident's survey
51 (n)	Training and skills provision for industrial decarbonisation - carbon literacy training, engagement with providers, specific apprenticeship schemes	April 2023	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Resident's survey, best practice research

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council planning policy</b>					
52	Identify where natural flood management approaches and Sustainable Drainage Systems (SuDS) can be used to increase carbon sequestration.	April 2025	Once known, the carbon sequestration figure will be applied to the Council's sequestration measure.	In progress	<p>The Council are working as part of the River Severn Partnership to identify opportunities to address flood risk in the borough. Part of that work will be to maximise opportunities to address flood risk through the use of 'natural flood management' which will help utilise natural assets to slow the flow of water courses especially during and after periods of high rainfall. This work is at an early stage and the Council will continue to work with partners to maximise opportunities to incorporate natural flood management into projects that come forward.</p> <p>As part of the Local Plan Review the Council are reviewing and updating planning policy.</p>

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Borough planning policy</b>					
53	Use the review of the Local Plan to develop robust policy that supports and promotes a move to carbon neutrality, including through consideration of how development will need to adapt to the impacts of climate change and promotes opportunities to maximise carbon sequestration.	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	The Issues and Options consultation has concluded, next stage of consultation is on the preferred options stage in Summer 2021.
54	Use the Local Plan review Call for sites to identify sites for renewable and low carbon energy generation	April 2021	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	Complete	Call for Sites has now concluded, any submissions for renewable energy sites will be considered as part of the site selection process.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council corporate</b>					
55	Ensure all Service Plans and Business Plans produced from 2020 consider measures to contribute to delivering the Council's commitment to carbon neutrality	April 2021	This has and will continue to identify further actions to include in the update of the Action Plan	Complete	Climate change is part of the Council's revised priorities, published in October 2020. All service strategies for Directors are now finalised and link the long-term aims of each Directorate to this priority. Where appropriate, climate change actions that will deliver these aims have been detailed in business plans. Business Plans will be reviewed and updated on an ongoing basis to ensure they remain accurate and relevant.
56	Promotion of existing Council schemes of: Flexible Working Policy; Agile Working Guidance; Telford & Wrekin Discount Travel Club, Cycle to Work Scheme	April 2021	Link to Actions 7 and 12	Complete	A four weekly internal comms plan has been developed to promote/advertise Council schemes and policies.
57	Commit to become a Carbon Literate Council	April 2021	Raising awareness on climate change and carbon reduction measures reduces energy usage by staff of between 10-15%.	In progress	Course identified, to be completed by mid-March 2021

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
58	All Telford & Wrekin Council strategies and reports to explicitly set out the environmental impacts from any recommended decision and contribution to carbon neutrality.	April 2022	Will depend on the strategy, project or decision.	In progress	The format has been drafted and will be in place by Summer 2021.
59	Require our major environment and cleansing contractors – Balfour Beatty; Idverde and Veolia to produce ambitious Carbon Reduction Action Plans covering their operations within the Borough	April 2021	<p>Since the start of the Veolia contract (2014), there has been a reduction of circa 23,000 tonnes of CO<sub>2</sub>e.</p> <p>From 1st April 2019 to 31st March 2020 Idverde net greenhouse gas emissions achieved, 753 tonnes CO<sub>2</sub>e</p>	Complete	Balfour Beatty: has already developed and implemented a Sustainability Plan. However, Balfour Beatty will be developing a new Sustainability Plan that will work on supporting the Councils ambitious to be carbon neutral by 2030. Idverde: carbon action plan for Idverde has been developed. Idverde are also looking to secure additional EV's on their fleet (potentially 6 in total from April 2021) Veolia: have produced a carbon action plan. Since the start of the Veolia contract (2014), there has been a reduction of circa 23,000 tonnes of CO <sub>2</sub> e.



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
60	Where appropriate the Council will increase the environmental evaluation criteria weightings to encourage suppliers to use sustainable practices and to reduce carbon emissions in the supply chain.	April 2021	Many procurement decisions have the potential to reduce carbon emissions. However, this will depend on the product or service being procured.	Complete	Procurement guidance written for environmental questions and scoring. To ensure this is captured in procurement exercises, Officers are prompted in the Procurement Intentions, the Procurement Plan, the Template documents and the Contracts Register.

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
61 (n)	Re-surfacing roads - in some areas a 'warm-mix' of materials is used for resurfacing, instead of a traditional 'hot-mix', which cuts fuel consumption and the production of greenhouse gases. Another technique is carriageway recycling, which sees the old carriageway material taken up into the body of the resurfacing machine, mixed with new materials and then immediately laid back on the lower surface of the road. This is then topped with new surface asphalt. This process uses less material resources, requires fewer vehicle movements on the site and less waste going to landfill.	April 2021	To be determined once data becomes available	Complete	Source of action: Employee suggestion, best practice research

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
62 (n)	Pursue PAS 2060 accreditation for the Council – an international standard for carbon neutrality.	December 2022	The savings from gaining the accreditation would come from this action plan.	New action	Source of action: Employee suggestion
63 (n)	Council to apply for Investors in the Environment	April 2023	The savings from gaining the accreditation would come from this action plan.	New action - to be started	Source of action: Employee suggestion
<b>Communications and training</b>					
64	Roll out Climate Change learning and development programme through OLLIE for staff and members	April 2022	Raising awareness on climate change and carbon reduction measures reduces energy usage by staff of between 10-15% which equates to 239 tonnes CO <sub>2</sub> e.	In progress	Source of action: Member drop-in session.  Training is currently being reviewed with a view to launching the course by April 2021.
65 (n)	Introduce environmental scorecard Dashboard at Director level to show energy usage, mileage, printing etc.	April 2023	Raising awareness on climate change and carbon reduction measures reduces the Council's carbon footprint	Complete	Source of action: best practice research.  Already introduced and will be reported monthly to the Senior Management Team as part of a new Managing the Business performance dashboard

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
66	Ensure that all employee benefits that would contribute to our carbon reduction and carbon offsetting targets are clearly identified in our employee benefits package.	April 2022	Cannot be quantified at this point.	In progress	Review to be undertaken.

### Council resources/waste

67	Commence a food recycling service in Addenbrooke then roll out to other Council buildings with the potential to also engage schools.	April 2022	Circa 1.25 tonnes of CO <sub>2</sub> saved per month	On Hold	<p>Food collections were rolled out to the three main Council office buildings (Addenbrooke House, Darby House and Wellington Civic Offices) on the 13th January 2020 and the service ran for ten weeks before the lockdown. Circa 2.5 tonnes of food waste was collected.</p> <p>A temporary suspension to the service has been put in place, as the offices are closed, albeit open to a limited number of Officers. This will be kept under review so the service can be restarted once Offices are fully open to staff.</p>
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Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Borough resources/waste</b>					
68 (n)	Community compost bin scheme	April 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	Source of action: Resident's survey, best practice research.
69 (n)	Explore Warp-it Re-use scheme - to find, give away, or loan office furniture, equipment and other resources	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Resident's Survey

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
70 (n)	<p>Working in partnership with Town/Parish Councils, local business and stakeholders, the Council will begin by installing dual-recycling bins across high footfall areas (including but not limited to Oakengates, Newport and Wellington) in the Borough including Telford Town Park and the Borough's Parks.</p> <p>Following detailed review and evaluation of this initial trial, the on-going provision of dual-recycling litter bins will be considered for a programme of further roll out.</p>	April 2025	Cannot be quantified at this point.	New action	Source of action: Environment Scrutiny Committee, Member drop-in session.

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Council land use, biodiversity and carbon sequestration</b>					
71	<p>Publication of a draft Local Nature Recovery Strategy (LNRS) for the borough. At a minimum the draft Local Nature Recovery Strategy will set out proposals to enhance, restore or create up to:</p> <ul style="list-style-type: none"> <li> 15ha of heathland</li> <li> 30ha of species rich grassland, and</li> <li> 25ha of wetlands on land in the direct ownership of the Council.</li> </ul>	April 2022	<p>The calculations below are based upon evidence presented in Rewilding Britain (2019) Rewilding and Climate Breakdown: How Restoring Nature Can Help Decarbonise the UK.</p> <p><b>Heathland</b> Assuming a sequestration rate of 2 tonnes/ha/year.  <math>2 \times 3.66 = 7.32 \text{ tCO}_2\text{e/ha/a}</math>  <math>7.32 \times 15\text{ha} = 109.8 \text{ tCO}_2\text{e/a}</math></p>	In progress	<p><b>Nature Recovery Strategy (NRS)</b></p> <ul style="list-style-type: none"> <li> Continuing to track the progress of the Environment Bill which has stalled during the national Covid-19 response.</li> <li> Bill progress will dictate the future Cabinet pipeline.</li> <li> Officers are drafting elements of the strategy whilst monitoring Bill progress</li> <li> Telford &amp; Wrekin Council now registered with DEFRA/Natural England as a 'nature recovery delivery partner'</li> <li> Telford &amp; Wrekin Council secured £1400 seed funding from Natural England to launch a habitat mapping project with volunteers and local specialists (this will feed into the NRS)</li> </ul>

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
			<p><b>Species Rich Grassland</b> Assuming a sequestration rate of 1 tonne of carbon/ha/year. 1x3.66 = 3.66 tCO<sub>2</sub>e/ha/a 3.66x30ha = 109.8 tCO<sub>2</sub>e/a</p> <p><b>Wetlands</b> Assuming a sequestration rate of 1.4 tonnes of carbon/ha/year. 1.4x3.66 = 5.124 tCO<sub>2</sub>e/ha/a 5.124x25ha = 128.1 tCO<sub>2</sub>e/a</p>		<p><b>Habitat delivery</b></p> <ul style="list-style-type: none"> <li>Tests and trials underway at The Granville</li> <li>70ha habitat creation will be delivered Borough-wide in 2021</li> <li>Green Recovery Challenge Fund bid with national charity 'buglife' has been successful to help deliver grassland enhancements at Rough Park Meadow</li> </ul>



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
72	<p>The draft Local Nature Recovery Strategy will also assess the Council's woodland landholding, developing an evidence based, Borough-wide strategy for woodland management. The draft Local Nature Recovery Strategy will:</p> <ul style="list-style-type: none"> <li> Increase the accuracy of the mapping of Telford &amp; Wrekin Council's woodland landholding, increasing the accuracy of the measurement of the boroughs tree canopy cover</li> <li> Calculate estimates of the carbon stored within existing Telford &amp; Wrekin Council woodland stock</li> </ul>	December 2022	<p>Carbon sequestration rates within existing Telford &amp; Wrekin Council woodland: Telford &amp; Wrekin Council's woodland landholding sequesters an average of 10,697 tonnes/CO<sub>2</sub>e/ha/year non traded carbon cost of £706,002 a year. Borough-wide woodland is sequestering on average 36,431 tCO<sub>2</sub>e/yr non traded carbon value of £2,404,446 a year</p>	In progress	<p>The Council now has accurate data, the borough has a 15% canopy cover – higher than the national average</p> <p>Mapping opportunities for woodland restoration, restructuring, natural woodland generation and new planting - drafted with final versions being available in Q1 2021.</p> <p>Identify opportunities to engage with third party land holders scoping opportunities for wider woodland planting at a borough scale - public engagement and outreach via the Trees4TW scheme has identified a number of local land owners keen to re-wild their landholdings.</p>

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
	<ul style="list-style-type: none"> <li data-bbox="197 320 533 536">🌍 Calculate estimates of the current carbon sequestration rates within existing Telford &amp; Wrekin Council woodland</li> <li data-bbox="197 544 533 727">🌍 Map opportunities for woodland restoration, restructuring, natural woodland generation and new planting.</li> <li data-bbox="197 735 533 1023">🌍 Scope the potential to create a series of new community forests to increase carbon sequestration and reflecting the Council's commitment to being a 'Forest Community.</li> <li data-bbox="197 1031 533 1246">🌍 Identify opportunities to engage with third party land holders to scope opportunities for wider woodland planting at a borough scale.</li> </ul>				

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
73	Working in partnership with Natural England, Telford & Wrekin Council will deliver great crested newt district level licensing across the borough. This scheme will involve the strategic restoration and creation of pond networks at a landscape scale.	April 2022	Recent studies have shown that ponds can sequester carbon at an average rate of 1.4 tonnes/ha/year, which equates to 5.124 tCO <sub>2</sub> e/ha/a Assuming a sequestration rate of 1.4 tonnes of carbon/ha/year. $1.4 \times 3.66 = 5.124$ tCO <sub>2</sub> e/ha/a 2019 estimated 0.16 ha = 0.82 tCO <sub>2</sub> e/ha/a	Complete	GCN licencing operational 2020

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
74 (n)	Community Forest – planting on Telford & Wrekin Council-owned land. A tree will be planted for every child in reception class as part of community forest vision.	April 2025	<p>Calculation based on:</p> <ul style="list-style-type: none"> <li>🌳 tree planting spacing of 2.5m</li> <li>🌍 All trees are planted in one place</li> </ul> <p>Therefore looking at 1600 trees per hectare.</p> <p>So 2,153 trees 2.5m apart would fit in 1.3 ha.</p> <p>Assuming a 9.14 t/CO<sub>2</sub>e/ha/yr sequestration rate. That's 1.3ha x 9.14 = 11.9 t/CO<sub>2</sub>e/ha/yr.</p>	New action	Source of action: Resident's survey, Member suggestion, best practice research



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
<b>Borough land use, biodiversity and carbon sequestration</b>					
75 (n)	Work with the Telford and Wrekin Borough Climate Change Partnership for the Borough to become a Sustainable Food Place	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: best practice research, Resident's survey, member suggestion  The Sustainable Food Places Award recognises and celebrates the success of those places taking a joined up, holistic approach to food including achievements in promoting and normalising healthy and sustainable food.
76 (n)	Phase 2 of Trees4TW	April 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion, best practice research, Resident's survey  In Phase 1 of the Trees4TW, the Council has so far distributed: 560 whips to schools; 385 whips to homeowners and 5,360 whips to landowners with a further circa 800 to be distributed.
77 (n)	Exploring accreditation schemes for biodiversity off-set eg carbon credits and the woodland carbon code	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion, best practice research

Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
78 (n)	Developments to contribute towards the maintenance and/or extension of the Borough's Canopy Cover through various mechanisms to be defined through the Local Plan	April 2025	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion, best practice research, Resident's survey
79 (n)	Re-introduce Depave to build on existing projects with community centres to remove hardstanding areas and replace with garden/green space.	April 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	New action	Source of action: Employee suggestion

Action Plan Ref key (n) = new action



Ref	Action	Completion year	Estimated annual carbon savings (tCO <sub>2</sub> e)	Status	Update/Source of New Action
80 (n)	Schools and Council Café to offer meat-free options once a week	April 2022	The carbon savings brought about by the action will count towards reducing the Borough's carbon impact.	In progress	<p>Source of action: Resident's survey, best practice research, member suggestion.</p> <p>In schools that use the Council's Catering Service, Let's Dine, there is a daily vegetarian option and vegan meals are available on request. There are also meat-free days most weeks. The menus are continuing to be updated so that more of the vegetarian options are vegan, and the Eatwell team that promote healthy eating in schools also use vegan products when cooking with the children. The Catering Service participated in Veganuary in 2021, and plans to trial vegan theme days this year.</p>

## Asks of Government

Telford & Wrekin Council will continue to call for increased ambition from Government in tackling Climate Change at a national level, and lobby for more support and funding to achieve our carbon neutral target by 2030. Delivering our ambitions for Telford & Wrekin is absolutely dependent on Government action, and a step change in policy, investment and regulatory powers is required to achieve our vision of 'A thriving, carbon neutral, climate resilient community where all our local residents and organisations actively contribute to and benefit from a more sustainable future'.

Whilst the Council welcomes the new national funding schemes that have been launched this year, such as the Public Sector Decarbonisation Fund, our experience has been that funds are often oversubscribed or have unrealistic deadlines. Whilst we will continue to proactively submit funding bids, and encourage others in Telford & Wrekin to do so, the Government needs to do much more to drive the change needed and at pace, and to provide additional financial support to mitigate the significant 'new burdens' being placed on local authorities as a result of growing concern and public pressure about Climate Change.

## Our 10 asks of Government are:

- 🌍 Increase its funding to local authorities to deliver carbon reduction targets;
- 🌍 Allow a greater amount of time for authorities to bid for and complete projects through Government climate change funding, and apply less prescriptive criteria to funding, to enable larger and more innovative schemes to be delivered;
- 🌍 Strengthen Building Regulations to allow a faster transition to low carbon development;
- 🌍 Remove barriers to community renewable energy schemes e.g. no NNDR on solar panels, extension of Renewable Heat Incentive Scheme;
- 🌍 Set explicit decarbonisation objectives for Ofgem to allow for strategic grid reinforcement;
- 🌍 Make a commitment to increase renewable energy generation nationally, with clear targets and financial support;
- 🌍 Bring forward legislation in the form of carbon taxation to incentivise behaviour change based on the polluter pays principle;
- 🌍 Bring forward the commitment to ban the sale of new diesel and petrol vehicles to 2030;
- 🌍 Incentivise low carbon agriculture;
- 🌍 Increase the budget for national Climate Change research and innovation.





Telford & Wrekin  
COUNCIL

Protect, Care and Invest  
to create a better borough