

**Ambition 2 – Low Carbon South Warwickshire 2030: to reduce net carbon emissions from across South Warwickshire by a minimum of 55% by 2030 and alongside this, plan how to further reduce carbon emissions to net zero by 2050.**

Theme	Target Total Carbon Savings by 2030	Commitment	Action	Start Date	End Date	Progress Update May 2022
		1.1 Travelling shorter distances: we will work with our partners and communities to reduce the average number of miles travelled by car per person by 25% by 2030.	Ensuring the SWLP spatial strategy and policies minimise the need to travel to access employment, schools, services and leisure	2021	2024	SWLP Climate Change consultants appointed. Part of their remit is to advise on evidence and policies to minimise the need to travel to reduce carbon emissions. Climate Change team liaising with colleagues working on the SWLP
			Supporting our staff to continue to work from home where this is possible and encouraging other organisations to do likewise	2021	Ongoing	WDC Hybrid working approach established
		1.2 Driving less: we will work with our partners and communities to increase the percentage of journeys undertaken by foot, bicycle or public transport from 20% to	Proactively work with Warwickshire County Council to ensure the Local Transport (LPT4) Plan proposals for South Warwickshire prioritise alternatives to cars wherever possible	Present	2022	There has been minimal progress on the LTP since Nov 2021. However WCC are currently starting to re-engage with WDC on LTP4. Low carbon transport will be a key part of the discussions. Member engagement will be a key element of this.

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		25% by 2030.	Promote "Choose How You Move" initiative (Better Points) within Warwick District as way of incentivising active travel and public transport.	Present	Summer 2022	Some successful promotional work has been undertaken in advance of the Commonwealth Games. However, officers recognise the need to step this up by identifying a resource to work more directly with businesses.
			Consider the procurement of a continuation of a similar "Choose How You Move" initiative going forward as South Warwickshire and/or with neighbouring authorities	Start of 2022	Summer 2022	Work on procuring the scheme beyond August 2022 is underway. It is intended to combine the start of new contract with an apprenticeship post that can undertake promotional work - including door-knocking with local businesses.
			Launch an e-cargo bike hire scheme within the Stratford District Area	Present	Spring 2022	Scheme has been launched and is in operation
			Use data from SDC eCargo Bike to consider expansion of the scheme to Warwick District	2022	2023	No progress. Awaiting data from SDC scheme

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			Explore the options of a cycle route through Abbey Fields Park, Kenilworth linking into National Cycle Route 52	Present	2022	Two options being explored. This may be narrowed down to one as a result of recent consultations with Historic England. Subject to agreement across the three tiers of local government, it is intended to bring forward a report in the early summer recommending a consultation on the preferred route. Aiming for implementation in 2023
			Based on the LTP, develop a shared local strategy for active travel by strengthening cross-sectoral working between WCC and South Warwickshire, as well as key local agencies.	Present	On-going	No progress. Awaiting LTP4 to progress
			Encourage the introduction and use of local car clubs (and e-car clubs) through close collaboration with the car club providers, WCC and Active Travel charities	Present	On-going	Some initial discussions, but no tangible progress to date. This is identified as a priority for 2022.
			Implement Asps Park and Ride in Warwick	Present	2023	P&R specification to be implemented by developer according WCC specification.
			Explore the potential with WCC for Park and Ride Schemes within South Warwickshire that also act as wider hubs for sustainable travel (Mobility Hubs)	2023	Ongoing	No progress

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1 On Road Transport	3192 ktCO2e (this includes the contribution made by av		Explore the implementation of a bike share model within South Warwickshire that best suits our area, either unilaterally or in partnership with other schemes with the West Midlands area	Present	On-going	Discussions taking place with WM Cycle Hire scheme. This seeks to extend the existing scheme in to Warwick District's towns. At present the cost are prohibitive, but discussions as to how costs could be reduced are ongoing. If an affordable scheme can be agreed, could be implemented in 2023.
			Work with WCC and other relevant organisations, alongside local charities/pressure groups to produce a network of suitable cycle routes	Present	On-going	New/improved cycle links being delivered (or planned) at Woodloes, St Nicholas Park; Newbold Comyn. Through the LTP we will be liaising with WCC on wider options
			Work in partnership with WCC, neighbouring authorities, transport providers and other key stakeholders to improve active travel and public transport options for rural communities	Present	On-going	We have worked with WCC on a bid to the LEVI pilot fund for rural EV infrastructure. Otherwise limited progress to date - although rural transport will be a key focus on EV infrastructure and Car Club projects
			Explore ways to improve high speed broadband connections in rural areas, potentially utilising 5G	Apr-22	2029	No progress.

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		1.3 Switching to low carbon vehicles: where residents and business need to rely on road vehicles, we will seek to support an increase in the percentage of Ultra-Low Emission Vehicles owned by residents in south Warwickshire from 2.9% in 2019 to 89% by 2030	Actively liaise with WCC to ensure the proposed new Local Transport (LPT4) Plan proposals for South Warwickshire include infrastructure for low emission vehicles	Present	2022	To date there has been a consultation on the principles of the next LTP, which WDC responded to. The next stage of consultation is now getting underway
			Work with WCC to encourage and enable the use of Ultra Low Emission Vehicles (ULEV) within South Warwickshire through contributing and agreeing a coherent strategic direction for the County and as a consequence South Warwickshire	Present	Ongoing	Work to prepare an EV charging strategy for SDC and WDC has been commissioned and will dovetail with WCC's County-wide strategy. It is anticipated this will be reported to Cabinet in Summer 2022 with roll out of new infrastructure later in 2022.
			Ensure the SWLP includes robust policies to require EV charging infrastructure for new developments	2021	2024	No progress yet, but will be included in climate change considerations when more detailed work is commenced
			Explore the potential for the introduction of electric taxis	2022	Onwards	No progress yet
			Work alongside WCC and partners to ensure that the proposed work on the Leamington Railway Station forecourt for the Commonwealth Games provides a sustainable travel hub going forward	Present	Ongoing	Work on the Station Forecourt is in underway. It included EV charging, enhanced cycle parking, improved pedestrian links to the town centre and improved connections to bus services.

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			Liaise and work with third parties such as Housing Associations and Local Interest Groups on how they can contribute to EV Infrastructure requirements	Present	Ongoing	We have made initial contact with Housing Associations within WDC & SDC to make them aware of our intentions to produce an EV Infrastructure Strategy	
			1.4 Improving freight emissions by reducing the emissions per mile by 75% and reducing on road freight mileage by 9%	Explore potential for autonomous (driverless) pods to enable mobility and deliveries	2022	2023	Concept only at this stage. No progress to date
			Implement the e-cargo bike loan scheme within SDC with the potential to undertake similar schemes across South Warwickshire	2022	2025	Scheme launched in Straford District	
			Support the low carbon "Last Mile Delivery" concept in South Warwickshire Towns	2022	2025	Potential for last mile delivery hub is being considered for the New House Farm site. At present it is not known whether this is feasible or whether there will be an operator	
			Undertake feasibility work on a "Hydrogen Hub" (see theme 7 below)	2021	2025	Hydrogen Hub feasibility study is complete. Options for the way forward are currently being considered. Will be subject to a Cabinet report in summer 2022.	
tion		2.1 Reducing aviation emissions. Consideration as to whether we can influence emissions from aviation	Potentially work with Coventry Airport and Wellesbourne Airport to help reduce their on-site CO2 emissions i.e. ULEV on-site transport, investing in sustainable energy/lighting etc.			This is not currently a priority	

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2 Aviation			Work with the tourism sector to reduce the impact of this sector within South Warwickshire and adopt environmentally friendly policies and potentially a green tourism certification system			This is not currently a priority
		3.1 We will deliver a deep carbon retrofit of all Council owned dwellings below EPC C by 2030	Implement new software to map EPC ratings of all Council owned properties to inform investment decisions	2021	2022	WDC has been successful with a number of significant grants bids in total worth almost £10m across all tenures.
			Social Housing - Develop a Retrofit Strategy	2021	2022	Draft strategy being prepared setting out an holistic approach to achieving EPC C and then net zero, including costs. It is hoped to bring the strategy to Cabinet later this year
			Identify a programme of works to deliver the Retrofit Strategy	2022	2030	Programme of works being identified using "Parity" data to bring WDC stock up to EPC C . Alongside this grant funded retrofit works are underway including LAD1B and 2.
			Continue to apply for external funding sources from BEIS (eg LADs) and other organisations and match against £18m Housing Improvement Programme monies available.	2021	Ongoing	On-going. LAD1B interventions being delivered. LAD2 interventions imminently underway. Further grants agreed (SWC) and being applied for (Wave 2 of SHDF)
			Social Housing - Assess solar PV and solar thermal suitability for every property	2021	Ongoing	Technologies already part funded through grants and WDC HIP

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		3.2 We will work with local Housing Associations in accessing and utilising funding to deliver a deep carbon reduction retrofit of all Council owned dwellings below EPC C by 2030	Support Housing Associations and work together on consortium bids to maximise funding available to all residents living in social housing.	2021	Ongoing	Discussions have taken place with some HAs. However most housing stock owned by HAs is new and older stock is being sold. The opportunities may be limited with joint bids but more information gathering is to be undertaken.
		3.3 We will support landlords and homeowners to improve the energy performance of their properties including exploring funding opportunities such as through BEIS schemes and others.	Develop and expand advice and support service for landlords and homeowners by providing and publicising support with retrofitting their property through organisations such as Act on Energy.	2022	2025	MEES (Minimum Energy Efficiency Standards) landlord property assessment work has been undertaken and linking to Trading Standards for support has been undertaken. Further work is required to offer a more formalised support to landlords.
			Review building conservation policies to ensure an appropriate balance is achieved between protecting the significance of heritage assets whilst enabling retrofitting of homes to reduce carbon emissions (such as rooftop solar or cavity wall insulation).	2022	2024	A review has taken place with the conservation officers and development management teams of both Councils. Whilst this identified that existing approaches and policies are in line with national policy, more work needs to be done to update local guidance in relation to new and emerging low technologies. However, in comparison with retrofitting more common housing types, this is unlikely to have a significant carbon impact and has not yet been prioritised



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		3.4 Promoting help and support available through Act on Energy	Behaviour change campaign to be developed and launched. Every household to be aware of support available to decarbonise their home.	2022	2025	Advice and signposting included with Council tax bills. This commitment is now being given higher priority as it also addresses the cost of living crisis. The Climate Change Team and Housing teams have therefore been meeting on a monthly basis to ensure momentum is given to improving officer training and practice; signposting Act on Energy's offer; considering extending Act on Energy's offer to provide more targeted advice for householders; and procuring a retrofit partner to undertake works.
		3.5 We will ensure all new houses (whether for affordable or market) that are developed by the Council will be net zero carbon in operation once the electricity grid is fully decarbonised	All section 106 sites acquired by the Councils for social housing to be built to enhanced carbon reduction standards, applying the standard used for Europa Way as a minimum	2021	Ongoing	Significant carbon upgrades (insulation, solar panels, heat pumps) have been applied for all S106 acquisitions including most recently proposals for 60 homes in Hatton Park.
			Where the Councils are developing housing sites, net zero carbon in operation design will be applied	2021	Ongoing	The standards for building new WDC homes aim to achieve net zero in operation subject to decarbonisation of the electricity grid. Turpin Court has provided an initial example of this.

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			Explore how to effectively address embodied carbon in Council developments (e.g. reusing material; modern methods of construction etc)	2022	Ongoing	A high level embodied carbon policy has been incorporated in the 2nd consultation draft of the Net Zero Carbon DPD. Further work will be undertaken on this in the future for the SWLP.
			For all housing delivered by or behalf the Councils, management and monitoring processes will be put in place to ensure the in-use performance gap is within specified tolerances.	2021	Ongoing	The Council has not developed any specific schemes during the last six months
		3.6 We will require new build housing to be net zero carbon in operation through the introduction of planning policies (WDC NZC DPD and SWLP) which set clear building standards for energy efficiency, heating systems, renewable and low carbon energy sources and (if necessary) carbon	For Warwick District a Net Zero Carbon Buildings Development Plan will be prepared for examination and adoption 2022	2021	2022	Whilst there has been some delay in progressing this due to both technical challenges and staff resources, the consultation on the 2nd draft has commenced and adoption is anticipated for early 2023.
			For Stratford District, the development checklist to enable developers to demonstrate compliance with the Climate Change SPD will continue to be used	2021	2022	N/A

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		offsetting.	In preparing the South Warwickshire Local Plan an evidence base will be collated to justify robust policies to require net zero carbon buildings for all new development, taking account of sustainable building material, methods of construction, to address embodied and construction carbon emissions	2021	2023	Climate change consultants have been appointed to prepare the relevant evidence base to support SWLP carbon reduction policies
		4.1 We will work with partners and businesses to improve energy (thermal and electrical) efficiency in non domestic buildings to enable a 17% reduction in space heating and hot water by 2030 and 10% increase in electric fuel	Develop a network of public sector and educational partners to explore approaches to improving thermal efficiency including the potential for utilising savings for further investment in carbon reductions	2022	Ongoing	A Warwickshire Public Sector Group has had a first meeting chaired by WCC and coordinated by Sustainability West Midlands. The members from Police, Fire, Colleges, UoW, D&Bs and others will take part in a number of group meetings to determine their own priorities and areas of interest. A series of business webinars is taking place. Two of these have covered carbon emissions and energy efficiency. It is hoped that this will leave to an ongoing network. Attendance (up to 20 businesses per session) has not be as high as we had hoped, and learning will be captured for future businesses engagement
			Work with business organisations and networks to explore barriers to investment in thermal efficiency for businesses and to promote the financial, environmental and reputational benefits of thermal efficiency measures	2022	Ongoing	Aside from Business webinars referred to above, no progress

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4 Non-Domestic Energy	796 ktCO2e		Encourage businesses and other institutions to connect to local 100% renewable sources of electricity (e.g direct wire or local Power Purchase Agreements) (see also theme 7 below)	2022	Ongoing	Aside from Business webinars referred to above, no progress
			Work with WMCA, CWLEP, WCC and other partners to develop an energy efficiency advice service for businesses.	2022	Ongoing	No progress
			Consider retrofit grant/loan scheme for assets managed/owned by community groups and town and parish councils	2022	Ongoing	No progress on this specifically, but the Local Climate Engagemenet scheme will provide an opportunity to explore this in more detail
			Work with Sustainability West Midlands or similar networking organisation to develop (or expand an existing ) a Greener Business Network as a forum for good practice, learning and knowledge sharing	2022	Ongoing	It hoped the network will be developed from the Business webinars
		4.2 We will work with partners and businesses to enable 39% of non domestic buildings to shift off gas heating to low carbon or electric by 2030	Ensure new buildings that are supported or funded by the Councils utilise non-fossil fuel based heating systems	2022	Ongoing	No new proposals have been developed over last six months
			Incorporate policies in to the SWLP to support ow carbon infrastructure for new commercial developments, including District Heating schemes	2021	2024	Climate change consultants have been appointed to prepare the relevant evidence base to support SWLP carbon reduction policies

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			Explore the potential for investment in District Heating systems which local businesses can connect to including the Stratford Canal Quarter	2022	2025	N/A
			Review discretionary business rates policy to incentivise carbon reduction and disincentivise carbon hungry buildings	2023		No progress
5 Waste	8 ktCO2e	5.1 As part of the new waste contract, we will introduce a new 1-2-3 collection service which will seek to reduce	Mobilise the new waste contract	2021	2022	In progress. To commence August 2022
		5.2 We will invest in a new local Multi-Recycling Facility	Continue to be an active partner in the development of the Warwickshire and Coventry MRF	2021	2023	In progress. To become operational in 2023
6 Land Use and Natural Assets	90 ktCO2e	See Ambition 3, themes 1, 2, 3, 4				Development of woodlands and other natural assets can make contributions to carbon capture. However, the primary climate change benefits of trees and natural assets relates to climate change adaptation. Actions relating to this theme are therefore incorporated in to ambition 3

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		7.1 We will support an increase renewable energy generation across South Warwickshire from approximately 121MW capacity in 2019 to 730MW capacity by 2030	Encouraging additional large scale solar generation by introducing policies within the South Warwickshire Local Plan which support renewable energy generation infrastructure	2021	2024	Existing Local Plan policies already support renewable energy schemes. These may need to be strengthened whilst recognising that a balance needs to be struck with competing land uses. Climate change consultants have been appointed to prepare the relevant evidence base to support SWLP carbon reduction policies
			Appoint project officer to develop Low Carbon Development and associated solar generation	2021	2025	Officer appointed. Commenced January 2022
			Incentivising additional large scale solar generation in rural areas by exploring ways to accelerate renewable energy generation through utilising public funds – particularly where this gives rise to a potential ongoing income source and /or savings	2021	2025	Options - including financial appraisals - are currently being explored with potential for a proposal to be considered by Cabinets later in 2022
			Specifically explore a local renewable energy generation source to provide an energy source for a new hydrogen production facility	2021	2025	Discussions ongoing with solar farm developer

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7 Energy Supply	2,088,000 tCO2e		Delivering and supporting rooftop solar generation on public buildings including the potential to export surplus generation to the grid or other local uses by a) working with public sector partners; b) reviewing all WDC and SDC buildings to consider the potential for roof top solar energy generation c) exploring the potential to partner with Community Energy Companies	See Ambition 1		Midlands Net Zero Hub are carrying out a high level review of 7 buildings to identify where there is potential for rooftop solar. Subject to the review, contractors will be commissioned to design and install schemes.
			Encouraging new homes and commercial/institutional buildings to install rooftop or other small scale solar generation through planning policies that require net zero carbon buildings including implementing the NZC Building DPD in Warwick District and incorporating policies with the South Warwickshire Local Plan.	2022	2025	See comments above relating to NZC DPD
			Ensure SWLP provides policies which support the retrofitting of rooftop solar and other low carbon technologies on existing buildings, including effect policies to achieve appropriate carbon reductions in conservation areas and other heritage assets	2022	2025	See comments in 3.3 above

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			Setting an example by ensuring Council new developments incorporate solar energy generation	Ongoing		See comments in 3.5 above
			Lobbying developers, housebuilders and the government to introduce policies and practices which incorporate the use of renewable energy generation in all new developments	2021	2023	No progress
			In conjunction with the allocation of Local Plan sites and supported by Local Plan policies, undertake a study of renewable heat sources that can be used to provide low carbon, low cost heating for new homes on allocated sites.	2022	2022	Incorporated in the brief for the Climate change consultants that have been appointed to prepare the relevant evidence base to support SWLP carbon reduction policies
			Investigate the potential for solar canopies over car parks, including for the Stratford Leisure Centre Car Park	2022	2024	Study nearing completion. Report expected May 2022
			Liase with WPD to ensure there is grid capacity to support additional generation and demand - and working WPD develop a strategic approach to future investment in local power connections	2022	2022	This is now routinely considered within EV charging and heat pump schemes



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		7.2 Recognising the importance of green hydrogen as a low carbon fuel, we will explore the feasibility of a green hydrogen production, storage and fuelling facility in south Warwickshire	Explore sites within the vicinity of M40 motorway junctions that could support hydrogen infrastructure	2021	2025	Feasibility study and draft Strategic business case, now complete. Currently considering next steps. Progress being made to access land close to M40 to locate a hydrogen hub.
			Undertake a full feasibility study / business case for hydrogen production including generating both demand and supply	2021	2022	
			Explore the potential for external funding (government/private sector) as a way of funding local hydrogen infrastructure and as a way of generating demand	2022	2025	
			Implementation of a hydrogen hub in South Warwickshire	2023 to 2025	TBC	NB: if a new facility is implemented the total costs for its development and for the generation of demand could be substantial and will require a range of funding sources to be used
8 General	N/A	8.1 Work to ensure we enable others to play their part in supporting carbon reduction	Develop and maintain a communications and community engagement strategy	2021	2030	The comms strategy is in place and is regularly updated through review meetings with the Comms team. Progress on rural community engagement with successful bid to the UK100 Local Climate Engagement scheme
			Continue to lobby national government on all elements that have identified "national support requirements"	2021	2030	Lobbying continues as and when opportunities arise

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			For all unfunded actions, proactively work to identify external sources of funding, including grants.	2021	2030	Interviews undertaken for proposed that new post of Programme Officer to provide capacity to support delivery of the funding strategy