

**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	Responsibility	Estimated Cost [£]= low; [££] = medium; [£££] = high	Funding Source	Comments and Progress Update	National Support Requirements
		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	Place and Economy	Nil			NPPF and any new national planning system need to place climate change at their heart to provide a context which supports our ambitions for the SWLP
			Supporting our staff to continue to work from home where this is possible and encouraging other organisations to do likewise	2021	Ongoing	HR	Nil			
	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 25% by 2030.	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	Place and Economy; STPO	Nil		To date there has been a consultation on the principles of the next LTP, which WDC responded to. The next stage is for WCC to draft a new LTP in detail with support from South Warwickshire	National policy needs to enable WCC to focus on (and fund) active travel, public transport and low emission vehicles in preference to fossil fuel vehicles	
		Promote "Choose How You Move" initiative (Better Points) within Warwick District as way of incentivising active travel and public transport.	Present	Summer 2022	STPO	Within existing resources	CWG			
		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	STPO	[£]	Grant funding?	To be considered once learning from existing scheme has been analysed		
		Launch an e-cargo bike hire scheme within the Stratford District Area	Present	Spring 2022	STPO. SDC Officers.	£120000 (within existing resources)	Part Climate Fund; Part Grant funding (in place)			
		Use data from SDC eCargo Bike to consider expansion of the scheme to Warwick District	2002	2023	STPO	[££]	Grant funding?			
		Explore the options of a cycle route through Abbey Fields Park, Kenilworth linking into National Cycle Route 52	Present	2022	STPO. WCC	[££]	CIL; Grant funding; Partner match funding?			
		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	Sustainable Transport Project Officer, Place and Economy	Nil		There are strong links to be made with public health and their joint strategic needs assessments (JSNA's) and Local Transport Plans (LTP's), see 1.3 below	National policy needs to enable WCC to focus on (and fund) active travel, public transport and low emission vehicles in preference to fossil fuel vehicles	

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1 On Road Transport	3192 ktCO2e (this includes the contribution made by aviation)		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	Sustainable Transport Project Officer and Planning	£25,000	CAF	For 8 vehicles over 2 years. (Indicative funding contribution towards operating the car club from developer over 2 year period for 2 to 4 vehicles is approx. £12,000.)	
			Implement Asps Park and Ride in Warwick	Present	2023	Place and Economy; PDCC	Within existing resources	S106 (in place)		
			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	Place and Economy; Planning and WCC	[£££]	S106; partner match funding; grant funding		
			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	STPO, WCC, Place and Economy	£1m (capital)	S106; partner match funding; sponsorship; grant funding	Potential to be revenue neutral subject to sponsorship and scheme income	
			Work with WCC and other relevant organisations, alongside local charities/pressure groups to produce a network of suitable cycle routes	Present	On-going	STPO, WCC, Place and Economy	Dependent on scheme	S106; CIL; Grant funding (via WCC); partner match funding	Cost per km. Cycle Superhighway £1.45m to £0.24m: Mixed strategic cycle route £0.88m to £0.46m *	Requires national funding in support of DfT Gear Shift strategy
			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	STPO, WCC, Place and Economy	Dependent on scheme	S106; CIL; Grant funding (via WCC); partner match funding	eg Community Car Clubs & Demand Responsive transport; safe and direct cycle routes	Funding for sustainable transport for rural communities is needed.
			Explore ways to improve high speed broadband connections in rural areas, potentially utilising 5G	Apr-22	2029	Revenues and Customer Services	Nil		At this stage, no cost as this is an exploratory exercise. However, depending on the outcomes, there may be future costs that the Councils decides to meet	
			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	Place and Economy; STPO	Nil		To date there has been a consultation on the principles of the next LTP, which WDC responded to. The next stage is for WCC to draft a new LTP in detail with support from South Warwickshire
		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	Place and Economy; STPO	Nil			Need to encourage a stronger emphasis on incentives for low emission freight, buses, vans, taxis and private cars	
		Ensure the SWLP includes robust policies to require EV charging infrastructure for new developments	2021	2024	Place and Economy	Nil				
		Explore the potential for the introduction of electric taxis	2022	Onwards	STPO and Community Protection	[££]	partner match funding; sponsorship; grant funding	A "try before you buy scheme" per vehicle approx £50k. Expect to "get money back" through sales		

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2 Aviation			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	STPO and WCC	[££]	CWG LEP funding already in place			
			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	STPO	Nil				
		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	STPO, Place and Economy, WCC,	TBC	S106; partner match funding; sponsorship; grant funding	Feasibility only at this stage		
			Implement the e-cargo bike loan scheme within SDC with the potential to undertake similar schemes across South Warwickshire	2022	2025	STPO	See 1.2 above	Grant funding; SDC Climate Change Fund	Launch spring 2022		
			Support the low carbon "Last Mile Delivery" concept in South Warwickshire Towns	2022	2025	STPO	[££]	S106; partner match funding; sponsorship; grant funding			
			Undertake feasibility work on a "Hydrogen Hub" (see theme 7 below)	2021	2025	PDCC	[£]	WDC CAF	See theme 7 below and linked to Asps Park and Ride (See 1.2 above)		
		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.				Nil		This is not currently a priority		
			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				Nil		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	Housing	[£]	Green Homes Grant (LAD 2) funding	Parity software currently being implemented	
				Social Housing - Develop a Retrofit Strategy	2021	2022	Housing	[£]	Green Homes Grant (LAD 2) funding	Work starting by Ridge.	
Identify a programme of works to deliver the Retrofit Strategy	2022			2030	Housing	[£££]	Already part funded through grants and WDC HIP				

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			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	Housing; Sustainability Officer	[£]	N/A	On-going. Social Housing Decarbonisation Wave 1 funding application underway.	Need clearer national guidance on the low carbon heating strategy for homes and how this will be funded
			Social Housing - Assess solar PV and solar thermal suitability for every property	2021	Ongoing	Housing	[£££]	Opportunity to link to Parity Software.	Technologies already part funded through grants and WDC HIP	
		3.2 We will work with local Housing Associations to support 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	Housing; Sustainability Officer	[£]	N/A	Gather baseline information.	
		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	Housing; Sustainability Officer	[££]		Need to consider HMO's and MEES requirements. Working together with SDC on landlord engagement work and MEES requirements.	
			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	Place and Economy; Development	Nil			
		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	Sustainability Officer	[£]	CAF and Climate Change Fund.	Messages with Council tax bills to be considered.	
		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	Housing	[££]	HRA		
			Where the Councils are developing housing sites, net zero carbon in operation design will be applied	2021	Ongoing	Housing	[££]	HRA/ borrowing	Incorporated in HRA business plan?	Need the planning and building regulations systems to catch up with our local standards
			Explore how to effectively address embodied carbon in Council developments (e.g. reusing material; modern methods of construction etc)	2022	Ongoing	Housing	[£]		Undertake further studies and trials	Need a lead at a national level about how embodied carbon should be addressed in construction projects
			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	Housing	Nil			

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		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 offsetting.	For Warwick District a Net Zero Carbon Buildings Development Plan will be prepared for examination and adoption 2022	2021	2022	Place and Economy	[£]	Already funded from CAF		Need the planning and building regulations systems to catch up with our local standards	
			For Stratford District, the development checklist to enable developers to demonstrate compliance with the Climate Change SPD will continue to be used	2021	2022	Place and Economy	Nil				
			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	Place and Economy	[££]	Included in SWLP budget		Need the planning and building regulations systems to catch up with our local standards	
4 Non-Domestic Energy	796 ktCO2e	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	PDCC; Sustainability Officer	[£]	CAF			
			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	PDCC; Sustainability Officer	Nil			Need incentives within the tax system to invest in energy efficiency and low carbon heating	
			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	PDCC; Sustainability Officer	Nil			Potential income if we acquire/develop energy source	
			Work with WMCA, CWLEP, WCC and other partners to develop an energy efficiency advice service for businesses.	2022	Ongoing	PDCC; Sustainability Officer	Nil				
			Consider retrofit grant/loan scheme for assets managed/owned by community groups and town and parish councils	2022	Ongoing	PDCC; Sustainability Officer	[££]	Explore potential to combine with WDC's RUCIS : Grant; sponsorship			
			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	PDCC; Sustainability Officer	[£]	CAF			
			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	2022	Ongoing	TBC (plus PDCC)	[££]	To be included in all project budgets			

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			Incorporate policies in to the SWLP to support low carbon infrastructure for new commercial developments, including District Heating schemes	2021	2024	Place and Economy	Nil			
			Explore the potential for investment in District Heating systems which local businesses can connect to including the Stratford Canal Quarter	2022	2025	Place and Economy				
			Review discretionary business rates policy to incentivise carbon reduction and disincentivise carbon hungry buildings	2023		Revenues and Customer Services	Nil		Legality and financial impact will need to be fully understood before scheme is developed.	
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 greenhouse gas emissions from waste	Mobilise the new waste contract	2021	2022	Environment and Operations	Within existing budgets			
		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	Environment and Operations	Within existing budgets			
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	
		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	Place and Economy	Nil	N/A	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	
			Appoint project officer to develop New House Farm Low Carbon Development and associated solar generation	2021	2025	PDCC	£45000pa (for two years)	CAF £27,000 pa; other sources (see report) £18,000 pa)		
			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	PDCC	[£££] Revenue cost to develop a scheme could be approx £40k. Capital would be £ms. Income generation (TBC)	PWLB or Municipal Investment Bonds	Options - including financial appraisals - are currently being explored with potential for a proposal to be considered by Cabinets in 2022	
			Specifically explore a local renewable energy generation source to provide an energy source for a new hydrogen production facility	2021	2025	PDCC	[££]	See 7.2 below		

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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		PDCC; Assets	[££]	CAF (see ambition 1); Grants	Potential income for surplus energy generated.	
			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	Place and Economy	Nil			
			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	Place and Economy	Nil			
			Setting an example by ensuring Council new developments incorporate solar energy generation	Ongoing		PDCC	[££]	To be included in all project budgets		
			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	PDCC; Place and Economy	Nil			Stronger national policies to require incorporating renewable energy in new developments
			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	PDCC; Place and Economy	[£]	Within SWLP budget		
			Investigate the potential for solar canopies over car parks, including for the Stratford Leisure Centre Car Park	2022	2024	PDCC; E&O	[£]	Climate Fund	Depending on outcome of investigation, this may require capital investment but also has the potential to deliver financial savings and/or income	
			Liaise 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	PDCC; Place and Economy	Nil			
			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	Explore sites within the vicinity of M40 motorway junctions that could support hydrogen infrastructure	2021	2025	PDCC	Nil		

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		Storage and fuelling facility in south Warwickshire	Undertake a full feasibility study / business case for hydrogen production including generating both demand and supply	2021	2022	PDCC	£44,000	WDC CAF		
			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	PDCC	[£]	WDC CAF		
			Implementation of a hydrogen hub in South Warwickshire	2023 to 2025	TBC	PDCC	[£££]	Grants; Private Sector; CAF; CMIB; Borrowing	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	PDCC; Sustainability Officer	£30,000pa	CAF		
			Continue to lobby national government on all elements that have identified "national support requirements"	2021	2030	PDCC	Nil			
			For all unfunded actions, proactively work to identify external sources of funding, including grants.	2021	2030	PDCC	TBC	As far as possible, within existing resources	Proposed that new post of Programme Officer will provide capacity to support delivery of the funding strategy	National grants for local government in line with stated policy commitments are essential