

Joint SDC/WDC Climate Change Action Programme

October 2021

Summary				
Ambition 1: Net Zero Carbon Council 2025: ensure the new South Warwickshire Council is net zero carbon within a year of its first elections and that services provided through contractors include carbon reduction targets to deliver net zero by 2030.				
Theme	Carbon Savings	Commitment	Cost 2022/23 [£]= low; [££] = medium; [£££] = high	Cost 2023/24 and 2024/25 [£]= low; [££] = medium; [£££] = high
1 Decarbonising Council Buildings	3251.14 tCO ₂ e per year	1.1 We will develop and manage the delivery of a fully costed Heat Decarbonisation Plan (HDP) comprising a programme of works for decarbonising all Council Buildings	[£]	[£]
		1.2 Deliver the HDP by establishing a Building Decarbonisation Fund for three years (2022/23; 2023/24; 2024/25)	[£££]	[£££]
		1.3 Where the measures implemented in year 1 result in revenue savings as a result of reduced energy costs, these savings will be used to supplement the delivery of the Building Decarbonisation Fund.	Nil	Nil
		1.4 We will ensure all electricity used by the Councils is from renewable sources.	Nil	Nil
		1.5 Any residual carbon emissions arising from Council buildings after 2025 will be balanced by either direct investment in equivalent renewable energy generation projects or in a recognised local carbon offsetting fund.	[££]	[££]
2 Decarbonising	252.8 tCO ₂ e per year	2.1 We will ensure all the vehicles fleet directly operated by the Councils is fully electric by 2025	[£]	[£]

		2.2 We will incentivise staff to undertaken business journeys by bike, foot or public transport where this can be achieved efficiently and without impacting on service quality	Nil	Nil
		2.3 We will enable staff to switch personal vehicles that are used on Council business to electric vehicles by <ul style="list-style-type: none"> • Incentivising the lease and or purchase of electric vehicles; • by March 2022, carrying out a building by building EV charging infrastructure needs assessment including number of chargers required; power supply assessment and upgrades etc • Ensuring sufficient EV charging infrastructure is available at, or close to, places of work 	[£]	[£]
		2.4 Any residual carbon emissions arising from Council travel after 2025 will be balanced by either direct investment in equivalent renewable energy generation projects or in a recognised local carbon offsetting fund.	[£]	[£]
3 Decarbonising Council Contracts	4729.0 tCO2e per year	3.1 We will ensure all new major Council contracts incorporate a Carbon Reduction Plan to demonstrate progress towards net zero operations by 2030 and will manage progress on these Plans throughout the life of the contract	TBC	TBC
		3.2 Explore opportunities to work with existing contractors to invest in processes, facilities and infrastructure to minimise carbon emissions - including for instance leisure centres, depots, vehicles and equipment	TBC	TBC
		3.3 Review procurement policies and practices to ensure climate change mitigation and adaptation are incorporated in to specifications, are given weight in evaluations and are managed throughout the life of the contract	Nil	Nil
4 Council Finance	N/A	4.1 We will review the funds in which the Councils' hold their cash to divest from all fossil fuels	[£]	[£]
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.				
1 On Road Transport	3,192,000 tCO2e by 2030	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.	Nil	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.	[£££]	[£££]

		1.3 Switching the 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	[££]	[££]
		1.4 Improving freight emissions by reducing the emissions per mile by 75% and reducing on road freight mileage by 9%	[££]	[££]
2 Aviation		2.1 Reducing aviation emissions. Consideration as to whether we can influence emissions from aviation	Nil	Nil
3 Domestic Energy	1,213,000 tCO2e by 2030	3.1 We will deliver a deep carbon retrofit of all Council owned dwellings below EPC C by 2030	[£££]	[£££]
		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	[£££]	[£££]
		3.3 We will work with local Housing Associations to support in accessing and utilising funding to deliver a deep carbon reduction retrofit of all HA owned dwellings below EPC C by 2030	[£]	[£]
		3.4 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.	[££]	[££]
		3.5 We will ensure all new houses (whether for affordable or market) that are developed by the Council or its Local Housing Company will be net zero carbon in operation once the electricity grid is fully decarbonised	[££]	[££]
		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.	[£]	[£]
4 Non-Domestic Energy	796,000 tCO2e by 2030	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	[£]	[£]
		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	[£] or [££]	[£] or [££]

5 Waste	8,000 tCO2e by 2030	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	Within existing budgets	
		5.2 We will invest in a new local Multi-Recycling Facility	Within existing budgets	
6 Land Use and Natural Assets	90,000 tCO2e by 2030	See Ambition 3, themes 1,2, 3, 4		
7 Energy Supply	2,088,000 tCO2e by 2030	7.1 We will support an increase renewable energy generation across South Warwickshire from approximately 121MW capacity in 2019 to 730MW capacity by 2030	[£££]	[£££]
		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	[£££]	[£££]
8 General	N/A	8.1 Work to ensure we enable others to play their part in supporting carbon reduction	[£]	[£]
Ambition 3 - Adaptation 2050: by 2050 to enable our environment and communities to have adapted to the potential of at least a 3 degrees rise in global temperatures by 2100.				
		0.1 Appoint a climate adaptation project manager to manage relationships and projects associated with this ambition	[£]	[£]
1 Diversity of habitats and species	TBC: to be measured the HBA	1.1 We will use the Met Office data to incorporate planning policies in the SWLP which protect key species; enhance connectivity of habitats and encourage investment in new and important ecological assets	Nil	Nil
		1.2 We will use the development management process to ensure investment in resilient ecological assets and planting schemes that accommodate predicted changes to weather patterns	Nil	Nil

		1.3 Based on the Met Office data, we will review tree strategy and open spaces management plans to take account of the need for resilient and ecologically diverse enhancements	Nil	Nil
		1.4 We will plant 160,000 trees in Warwick District by 2030. (NB: Decision to be made as to whether a tree planting programme should also apply in Stratford District)	[££]	[££]
2 Soil health	Once Met Office data is received work with EA to measure physical, chemical and biological health of local soils	2.1 Use Met Office data to plan investment in planting and infrastructure in flood defences, drainage and soil protection	[££]	[££]
		2.2 Working with partners to support our agricultural sector in adapting and diversifying	Nil	Nil
		2.3 Ensure up to date evidence and planning policies and decisions to protect high quality agricultural land and to prevent development which exacerbates soil damage.	Nil	Nil
3 Natural carbon stores and sequestration	Current carbon stores account for 12,600tCO2e	3.1 we will seek to maintain existing natural carbon store and sequestration and will add to this where possible (see Ambition 2, theme 6) and 1.1; 1.2; 1.3; 1.4 and above	See above	See above
4 Crops. Livestock and commercial trees	In discussion with NFU, identify effective measures of land productivity	4.1 We will work with partners to support our agricultural sector in adapting and diversifying	See above	See above
		4.2 we will enable tree planting and other natural means of protecting soil and managing flood risks, including ensuring the species used are adaptable to climate change themselves	See above	See above
		4.3 We will develop planning policies and decisions to protect high quality agricultural land and to prevent development which exacerbates soil damage	See above	See above
5 Supply of	Measures to be developed	5.1 We will encourage local food production, including allotments etc	Nil	Nil

		5.2 We will consider how we can support local storage and local low carbon distribution networks	TBC	TBC
		5.3 Through the South Warwickshire Economic Strategy, we will support diversification of the local economy	Nil	Nil
		5.4 We will support vulnerable residents, including those in fuel poverty	TBC	TBC
6 People and the economy from failure of the power system		6.1 We will maximise local renewable energy production including utilising this locally, including for Council services	See above	See above
		6.2 We will increase local, directly supplied energy from a variety of sources	See above	See above
		6.3 We will work with National Grid and Western Power Distribution to enhance resilience in the local energy supply grid	See above	See above
7 Human health, wellbeing and productivity from heat in homes and buildings		7.1 We will develop and apply buildings standards which ensure adaptable and resilient new homes and buildings	See above	See above
		7.2 We will retrofit existing housing to ensure all-year-round affordable comfort	See above	See above
		7.3 We will retrofit public buildings and our own workplaces and will work with partners in the public sector to do likewise	See above	See above
		7.4 We will work with employers to enable them to adapt workspaces	See above	See above
		7.5 We will work to maximise local water conservation and storage to address the potential for the cycle floods and droughts	Nil	Nil
8 Water consumption and managing the water cycle		8.1 We will work to maximise local water conservation and storage to address the potential for the cycle floods and drought	Nil	Nil
		8.2 We will work with partners to deliver resilience in the water cycle through natural means	Nil	Nil

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AMBITION 1: DETAIL

Ambition 1: Net Zero Carbon Council 2025: ensure the new South Warwickshire Council is net zero carbon within a year of its first elections and that services provided through contractors include carbon reduction targets to deliver net zero by 2030.									
The me	Target Annual Carbon Savings by 2025/ 2030	Commitment	Action	Start Date	End Date	Responsibility	Estimated Cost	Funding Source	Comments and Progress Update
1 Decarbonising Council Buildings	3251.14 tCO2e by 2025	1.1 By February 2022, we will develop a fully costed Heat Decarbonisation Plan (HDP) comprising a programme of works for decarbonising all Council Buildings	Appoint a qualified surveyor or consultant to prepare a Heat Decarbonisation Plan	01/10/2021	31/10/2021	Assets/PDCC	£45,000pa	Existing Salary budget and CAF	
			Complete Heat Decarbonisation Plan	31/10/2021	15/01/2022	Assets/PDCC	Nil		
		1.2 Deliver the HDP by establishing a Building Decarbonisation Fund for three years (2022/23; 2023/24; 2024/25)	Apply for PSDF Phase 3 and any future rounds of the PSDF	01/10/2021	04/11/2021	Assets/PDCC	Nil		JD agreed; funding agreed. Need to established ERF

			Deliver HDP	01/04/2021	31/03/2025	Assets	Estimated £3-5m over 3 years (to be confirmed when Heat Decarbonisation Plan complete)	£520,000 from CAF over two years; Additional funding from PSDf; reinvesting savings if possible	This is likely to be a substantial amount of money (minimum £1m per year for three years). Some grant funding can be expected, but the majority will need to be found from within Council budgets. For years two and three, there may be potential to reinvest savings from year 1 (and 2)
			Apply net zero carbon building standards to new Council offices	TBC	TBC	Assets	TBC	Savings released from existing HQ buildings	
		1.3 Where the measures implemented in year 1 result in revenue savings as a result of reduced energy costs, these savings will be used to supplement the delivery of the Building Decarbonisation Fund.	Actions to deliver this commitment to be reviewed in 2022	Jun-22		Assets	Nil		

		1.4 We will ensure all electricity used by the Councils is from renewable sources.	Explore off-taker arrangements through direct wire or Power Purchase Agreements with local renewable energy providers	Oct-21	31/12/2022		Nil - Within existing budgets. Potential for cost savings		Both SDC and WDC currently source electricity from 100% renewable sources
			Explore the potential to utilise roof space on Council assets to generate electricity in partnership with a local Community Energy Company	Dec-21	31/03/2024		Costs to be included 1.2 above	Costs to be included in HDP (see 1.2 above). Potential for savings to arise	
		1.5 Any residual carbon emissions arising from Council buildings after 2025 will be balanced by either direct investment in equivalent renewable energy generation projects or in a recognised local carbon offsetting fund.	Actions to deliver this commitment to be reviewed in 2023/24. Link to carbon market development (see Funding Strategy) Liaise with WPD	31/12/2024	2025		[££]	To be incorporated in MTFS after 2025 once the residual carbon emissions are established	
2 Decarbonising Council Travel	252.8 tCO2e by 2025	2.1 We will ensure all the vehicles fleet directly operated by the Councils is	Prepare a comprehensive vehicle decarbonisation plan for mileage undertaken on Council business .	01/10/2021	31/12/2021	Sustainable Transport Travel Officer	Nil		

		fully electric by 2025	Review operational requirements of each vehicle with service managers to ensure EV is feasible	Sep-21	31/12/2021	PDCC; Head of Community Protection; Head of Assets; Head of E&O	Nil		
		Assess EV charging infrastructure requirements (numbers, speed, locations)	Sep-21	31/12/2021	PDCC; Head of Community Protection; Head of Assets; Head of E&O	Nil			
		Provide EV charging infrastructure as required	01/01/2022	31/12/2022	Head of Assets	£20,000 (assuming 5 points required) [£]	CAF		
		Procure an EV Charger Installer, either as South Warwickshire or in line with WCC	01/10/2021	31/03/2022	Sustainable Transport Travel Officer	Nil		Any procurement and subsequent installation needs to be in-line with WCC ULEV Strategy	
		Ensure that wherever feasible, vehicles are switched to EV when current leases ends (or where operational requirements prevent this, the lowest carbon alternatives)	Sep-21	31/12/2022	Relevant Head of Service	Nil			
		2.2 We will incentivise staff to undertake business journeys by bike,	Promote the "Choose how you move" initiative through Better Points for staff	Current	Summer 2022	Sustainable Transport Travel Officer	Nil		

		foot or public transport where this can be achieved efficiently and without impacting on service quality	Consider the procurement of a similar South Warwickshire Active Travel initiative across South Warwickshire beyond 2022	Summer 2022	Potentially on-going	Sustainable Transport Travel Officer	Nil		Will need to understand the success of present contract with Better Points to guide the way forward and the potential continuation of the same or similar initiative
		2.3 We will enable staff to switch personal vehicles that are used on Council business to electric vehicles by • Incentivising the lease and or purchase of electric vehicles; • by March 2022, carrying out a building by building EV charging infrastructure needs assessment including number of chargers required; power supply assessment and upgrades etc • Ensuring sufficient EV charging infrastructure is	Procure "Tusker" or similar for a salary sacrifice lease car scheme to encourage staff to procure EV's	2022/23		Human Resources	Nil		Potential joint venture between WDC and SDC. Need to make further enquiries with Coventry regarding vetting process and prepare a Communications Plan
			Ensure that the South Warwickshire authorities work as early as possible with local Distribution Network Operator (DNO), Western Power as a partner as early as possible	2021	2022	Sustainable Transport Travel Officer alongside WCC	Nil		Arguably the electrical requirements for all aspects of the Climate Change agenda across South Warwickshire needs to be considered to understand the future requirement of the Power Grid and to provide the information to the

		available at, or close to, places of work							DNO at the earliest opportunity
		Develop a green travel plan in association with the relocation to new office buildings	2022	2023	Sustainable Transport Travel Officer	Nil (but once plan developed proposals may involve costs)			
		2.4 Any residual carbon emissions arising from Council travel after 2025 will be balanced by either direct investment in equivalent renewable energy generation projects or in a recognised local carbon offsetting fund.	2025	2028		[£]	To be incorporated in MTFS after 2025 once the residual carbon emissions are established	Not a priority within first 3 years of the programme	
3 Decarbonising Council Contracts	4729.0 tCO2e by 2030	3.1 We will ensure all new major Council contracts incorporate a Carbon Reduction Plan to demonstrate progress towards	We will ensure all new major Council contracts incorporate Carbon Reduction Plan to demonstrate progress towards net zero operations by 2030	2021	2030	PDCC; Procurement	TBC	If there are additional costs these will be reflected in contracts prices	

		net zero operations by 2030 and will manage progress on these Plans throughout the life of the contract .	We will work with contractors holding existing contracts to annually agree carbon reduction measures to be delivered	2021	2030	Contract Managers	TBC	If there are additional costs these will be reflected in contracts prices	
		3.2 We will explore opportunities to work with existing contractors to invest in processes, facilities and infrastructure to minimise carbon emissions - including for instance leisure centres, depots, vehicles and equipment	Ensure x light vehicles within the new waste contract fleet (due to start from August 2022) will be electric vehicles	Aug-22	2029	PDCC; Contract Managers	Nil	Within contract	TBC - for discussion between the two Councils
			As required by through the contract, work with the new waste contractor to develop a plan for decarbonising the vehicle fleet during the life of the contract including alternative fuels (such as HVO); introducing new or converted electric or hydrogen vehicles; supporting the development of necessary infrastructure for alternative fuels	Nov-21	2029	PDCC; Environment and Operations	TBC	Funding source to be agreed once costs of proposals established	

		3.3 Review procurement policies and practices to ensure climate change mitigation and adaptation are incorporated in to specifications, are given weight in evaluations and are managed throughout the life of the contract	Review the Procurement Strategy, Procurement Code of Practice and other operational procedures relating to procurement to ensure that social value and in particular climate change are considered in procurement processes and are given significant weight in the evaluation of tenders	Apr-21	Jul-21	PDCC; Finance	Nil		
			Provide training to ensure that contract management staff are aware of climate change issues and opportunities and are able to effectively manage carbon reduction plans during the lifetime of contracts	Jul-21	Oct-21	PDCC;	Nil		
4 Council Finance	N/A	4.1 We will review the funds in which the Councils' hold their cash to divest from all fossil fuels	Take a report to SDC's Cash Working Party to explore options for divesting from fossil fuels. This will include an appraisal of potential financial impacts	2021	Apr-23	Finance	Nil	N/A	There are no costs in making the switch, but the timing of switching will be important to ensure maximum returns

			In line with the agreed commitments set out in WDC's CEAP, we will switch WDC's investments away from fossil fuels funds by April 2023	2021	Mar-22	Finance	Nil	N/A	This action was completed in September 2021
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Ambition 2 - DETAIL

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.										
The me	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 On Road Transport	3192 ktCO2e (this includes the contribution made by aviation)	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	National policy needs to enable WCC to focus on (and fund) active travel, public transport and low emission vehicles in preference to

								Transport Plans (LTP's), see 1.3 below	fossil fuel vehicles
		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	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
			Work with WCC to encourage and enable the use of Ultra Low Emission Vehicles (ULEV) within South Warwickshire through contributing and agreeing	Present	Ongoing	Place and Economy; STPO	Nil			Need to encourage a stronger emphasis on incentives for low emission freight, buses,

			a coherent strategic direction for the County and as a consequence South Warwickshire							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	
			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	Present	Ongoing	STPO	Nil			

			Infrastructure requirements							
		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 Aviation		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		

			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	Develop and expand advice and support service for landlords and homeowners by providing and publicising support with retrofitting their property through	2022	2025	Housing; Sustainability Officer	[££]		Need to consider HMO's and MEES requirements. Working together	

		opportunities such as through BEIS schemes and others.	organisations such as Act on Energy.						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	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		

		operation once the electricity grid is fully decarbonised	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			
		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	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

		SWLP) which set clear building standards for energy efficiency, heating systems, renewable and low carbon energy sources and (if necessary) carbon offsetting.	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	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		

		heating and hot water by 2030 and 10% increase in electric fuel	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		Ensure new buildings that are supported or funded by the Councils utilise non-fossil fuel based heating systems	2022	Ongoing	TBC (plus PDCC)	[££]	To be included in all project budgets		
			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							Actions relating to this theme are therefore incorporated in to ambition 3	
7 Energy Supply	2,088,000 tCO2e	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	

			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	
			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		

			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	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 south Warwickshire	Explore sites within the vicinity of M40 motorway junctions that could support hydrogen infrastructure	2021	2025	PDCC	Nil			
			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		
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	National grants for local government in line with stated policy commitments are essential	

Ambition 3: DETAIL

Ambition 3 - Adaptation 2050: by 2050 to enable our environment and communities to have adapted to the potential of at least a 3 degrees rise in global temperatures by 2100.

NB: The proposals below are based on the National CCRA3 and will be reviewed in light of more local data provided by the Met Office

Theme (to be reviewed)	Measures	Commitment	Action	Start Date	End Date	Responsibility	Estimated Cost	Funding Source	Comments and Progress Update	National Support Requirements
		0.1 Appoint a Climate Adaptation Project Officer to manage relationships and projects associated with this ambition	Appoint a Climate Adaptation Project Officer (CAPO) to manage relationships and projects associated with this ambition	2022	Jul-05	PDCC	[£]	CAF; Climate Change Budget		
1 Diversity of habitats and species	TBC: to be measured the HBA	1.1 We will use the Met Office data to incorporate planning policies in the SWLP which protect key species; enhance connectivity of habitats and encourage investment in new and important ecological assets	Analyse Met Office data to identify key risks for the environment	Oct-21	Dec-23	Place and Economy;	TBC	Local Plan budget		Need national adaptation strategy
			Work with key partners to work up an evidence base in relation to each key risk	Jan-22	Oct-23	Place and Economy;	Nil	N/A	Exact timeline needs to be in accordance with Local Plan timeline	Need guidance as to how adaptation should be incorporated in to local plans and infrastructure delivered.
			Incorporate policies in the draft Local Plan to respond to the evidence base	Oct-22	Mar-23	Place and Economy; Development	Nil	N/A		

		1.2 We will use the development management process to ensure investment in resilient ecological assets and planting schemes that accommodate predicted changes to weather patterns	Provide training for Development Management staff and planning committee members in relation to the risks identified by the Met Office to enable Local Policies relating to adaptation to be applied rigorously	Dec-22	TBC	Development; Environment and Operations	Nil	N/A		
		1.3 Based on the Met Office data, we will review tree strategy and open spaces management plans to take account of the need for resilient and ecologically diverse enhancements	Undertake a review of the tree strategy to ensure our approach utilises resilient species which enhance biodiversity	Apr-22	TBC	E&O	Nil	N/A		
			Review the management plans for major opens spaces and parks to ensure enhancements incorporate resilient species which improve biodiversity	Apr-22	Dec-21	E&O	TBC	TBC		
		1.4 We will plant 160,000 trees in Warwick District by 2030. (NB: Decision to be made as to whether a tree planting programme should also apply in Stratford District)	Based on the 2021/22 pilot, prepare a plan to deliver this commitment	Under way	2030	PDCC; E&O	{££}	£200,000 over 2 years from WDC CAF		
			Establish a delivery partner with experience of large scale tree planting	2021	2022	PDCC; E&O				Need clarity as to how this dovetails with national tree planting commitments

			Ensure costs and arrangements for maintenance are incorporated in all tree planting projects	2021	Ongoing	PDCC; E&O				
			Consider the potential to promote the use of land for tree planting as a sustainable crop (e.g a local building material?)	2022	Ongoing	PDCC; E&O	Nil			
2 Soil health	Once Met Office data is received work with EA to measure physical, chemical and biological health of local soils	2.1 Use Met Office data to plan investment in planting and infrastructure in flood defences, drainage and soil protection	Work with EA and other partners to identify priority infrastructure investments.	TBC	TBC	Climate Adaptation Project Officer (CAPO)	TBC			Need national adaptation strategy
			Make funding bids to deliver opportunities to deliver infrastructure priorities.	TBC	TBC	CAPO	TBC	CIL, S106, partner funding, external/gov grants	Significant costs likely to be involved. Will need to a coordinated funding strategy including CIL, S106, partner funding, external/government grants. NB: Is this District Council best placed to do this?	Make case for national funding streams to help provide essential infrastructure

			Incorporate policies in the SWLP to enable the delivery of necessary infrastructure related to new developments	2021	2024	Place and Economy	TBC	S106		Need guidance as to how adaptaion should be incorporated in to local plans and infrastrucur e delivered.
			Identify vulnerable land close to watercourses which can be used for flood prevention and biodiversity and work with partners to enhance these areas	2022	2024	CAPO	TBC	Private investment; S106, partner funding, external/gov grants		
	2.2 Work with partners to support our agricultural sector in adapting and diversifying		Liaise with the NFU to identify risks to agricultural productivity in South Warwickshire	TBC	TBC	CAPO	TBC	CIL, S106, partner funding, external/gov grants	Significant costs likely to be involved. Will need to a coordinated funding strategy including CIL, S106, partner funding, external /government grants. NB: Is this District Council best placed to do this?	

			Support agricultural sector in adapting practices to manage these risks and identify natural infrastructure investments that will mitigate the risks	TBC	Dec-21	CAPO; Place and Economy;	Nil	N/A		Needs to dovetail with national approach to countryside management
			Based on the data, incorporate policies in the draft Local Plan to support the agricultural sector to diversify in a way that enhances soil health, biodiversity and enjoyment of the countryside	Oct-21	Dec-21	Place and Economy; PDCC	Nil	N/A	Met Office data expected October 2021	
		2.3 Ensure up to date evidence and planning policies and decisions to protect high quality agricultural land and to prevent development which exacerbates soil damage.	Analyse Met Office data to identify key risks for the environment	Oct-21	Jul-05	Place and Economy;	TBC	Local Plan budget		
			Work with key partners to work up an evidence base in relation to each key risk	Jan-22	Jul-05	Place and Economy;	Nil	N/A	Exact timeline needs to be in accordance with Local Plan timeline	
			Incorporate policies in the draft Local Plan to respond to the evidence base	Oct-22	2024	Place and Economy				

3 Natural carbon stores and sequestration	Current carbon stores account for 12,600 tCO2e	3.1 we will seek to maintain existing natural carbon store and sequestration and will add to this where possible (see Ambition 2, theme 6)	See 1.4 above. See also commitments 1.1; 1.2; 1.3			CAPO	See 1.4 above			Need national adaptation strategy
		Identify significant natural carbon stores in South Warwickshire and seek to protect and enhance these as part of the Council's approach to managing green spaces and natural assets	2022	2025	CAPO	TBC	Carbon offsetting; S106; CIL			
		Incorporate planning policies in the SWLP which give weight to the protection of significant natural carbon stores within South Warwickshire	2021	2024	Place and Economy	Nil				
4 Crops, Livestock and commercial trees	In discussion with NFU, identify effective measures of land productivity	4.1 We will work with partners to support our agricultural sector in adapting and diversifying	See 2.2 above	TBC	TBC	CAPO	TBC	CIL, S106, partner funding, external/gov grants	Significant costs likely to be involved. Will need to a coordinated funding strategy including CIL, S106, partner funding, external/government grants. NB: Is this	Need national adaptation strategy

									District Council best placed to do this?	
		4.2 we will enable tree planting and other natural means of protecting soil and managing flood risks, including ensuring the species used are adaptable to climate change themselves	See 1.4 above		Dec-23	Place and Economy;	TBC	Local Plan budget		
		4.3 We will develop planning policies and decisions to protect high quality agricultural land and to prevent development which exacerbates soil damage	Work with key partners to work up an evidence base in relation to each key risk	Jan-22	Jul-05	Place and Economy;	Nil	N/A	Exact timeline needs to be in accordance with Local Plan timeline	
			Incorporate policies in the draft Local Plan to respond to the evidence base	Oct-22	Jul-05	Place and Economy;	Nil	N/A	Exact timeline needs to be in accordance with Local Plan timeline	
5 Supply of food, good and vital services (supply chains and distribution)	Measures to be developed once Met Office data is received	5.1 We will encourage local food production, including allotments etc	Incorporate policies in the draft Local Plan to ensure allotments are prioritised as part of green infrastructure	Oct-22						Need national adaptation strategy
			See 2.3 above							

		5.2 We will consider how we can support local storage and local low carbon distribution networks	TBC	2022	2025	CAPO	TBC	CIL, S106, partner funding, external/gov grants		
		5.3 Through the South Warwickshire Economic Strategy, we will support diversification of the local economy	TBC	2021	2022	Place and Economy	Nil			
		5.4 We will support vulnerable residents, including those in fuel poverty	Include in review of Fuel Poverty Strategy and Health and Wellbeing Strategy	2023	2024	Community Protection	Nil			
6 People and the economy from failure of the power system		6.1 We will maximise local renewable energy production including utilising this locally, including for Council services	See ambition 2, theme 7							Need national adaptation strategy
		6.2 We will increase local, directly supplied energy from a variety of sources	See ambition 2, theme 7							
		6.3 We will work with National Grid and Western Power Distribution to enhance resilience in the local energy supply grid	See ambition 2, theme 7	2022	2024	CAPO	TBC	CIL; S106; Private Sector Investment		
7 Human health, wellbeing and productivity from		7.1 We will develop and apply buildings standards which ensure adaptable and resilient new homes and buildings	To be incorporated alongside Ambition 2, theme 3	2021	2024	Place and Economy	Nil			Need national adaptation strategy

		7.2 We will retrofit existing housing to ensure all-year-round affordable comfort	To be incorporated alongside Ambition 2, theme 3	2023	2030	Housing	Nil			
		7.3 We will retrofit public buildings and our own workplaces and will work with partners in the public sector to do likewise	To be incorporated alongside Ambition 2, theme 4	2021	2025	Assets; CAPO	Nil			
		7.4 We will work with employers to enable them to adapt workspaces	To be incorporated alongside Ambition 2, theme 4	2022	Ongoing	CAPO; Place and Economy;	Nil			
8 Water consumption and managing the water cycle		8.1 We will work to maximise local water conservation and storage to address the potential for the cycle floods and drought	Strengthen water conservation policies in the Local Plan	2021	2024	Place and Economy	Nil			Need national adaptation strategy
		8.2 We will work with partners to deliver resilience in the water cycle through natural means	Work with EA to identify opportunities for improved natural river management	2022	2024	CAPO	Nil			
			Identify riparian edges where we can support tree planting	2022	2024	CAPO	Nil			
			Work with the farming community to support water storage including where necessary reviewing planning policies	2022	2024	CAPO	Nil			
			Work with partners to explore ways to	2022	2024	CAP)	Nil			

			manage water extraction							
			Make better use of water as a resource to deliver energy and support healthy lifestyles	2022	TBC	CAPO	Nil			