

DRAFT Climate Change Action Plan

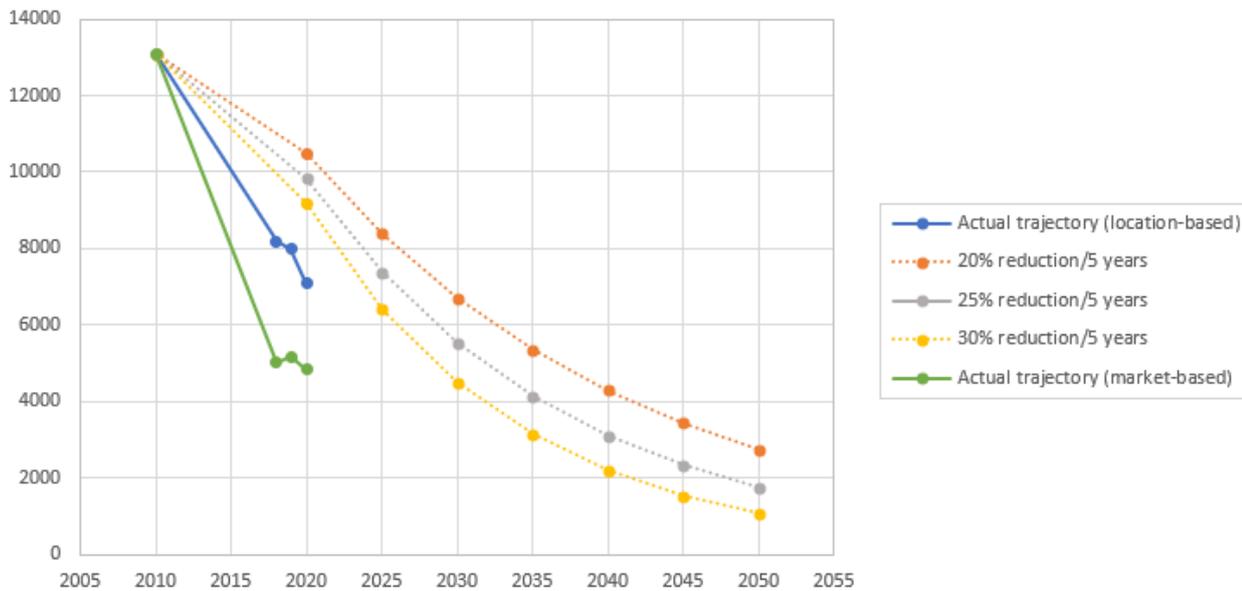
In July 2019 Darlington Borough Council declared a climate emergency, recognising that urgent action is needed to ensure a safe and prosperous future for us all.

A high level strategy was produced and published in July 2020, setting out the challenge facing us and the principles by which we will approach our response. This document is the supporting action plan. It sets out actions over and above our “business as usual” activities that are already delivering savings. The action plan also touches on actions that appear in other plans such as the Tree and Woodland Strategy but the intention is not to duplicate those strategies and plans here.

Our climate emergency declaration commits the Council to reducing its carbon emissions to net zero by 2050. That is our end date and we will be making every effort to reach net zero at the earliest possible date. We will be examining how we might develop a medium-term carbon plan, allocating a carbon budget to each directorate. More work is needed to determine how we can do that fairly, given that the bulk of our emissions (as currently reported) is from heating.

The graph below shows the trajectories, drawn from our baseline of 2010, for three potential percentage reduction targets.

2050 trajectory of DBC emissions reduction based on % reduction every five years on current energy usage(location-based)



At present our emissions are below any of the potential trajectories and we are therefore doing better than any of these possible trajectories. However, the Climate Change Strategy sets out the current scope of our ambition and explains that there are a number of areas where we currently do not have sufficient data to include emissions in our target, although we aim to include them. As the data becomes more comprehensive, our reported emissions will inevitably rise.

We are reporting our emissions in two ways:

- (a) location-based – this reflects the average emissions intensity of our actual energy consumption
- (b) market-based - this reflects emissions from the zero-carbon electricity tariff that we have purposefully chosen.

The difference between the end point at 2050 and zero is where we will need to offset our emissions. We will make every effort to reduce this gap, but there will inevitably be some residual emissions that we will not be able to remove completely. The plan below includes an action to develop our offsetting strategy.

The Climate Change Strategy and this Plan build on achievements already realised by our teams, including upgrades to streetlights and lighting in council buildings. However, there is still much to do if we are to reach our targets and every new project will need to understand the capital and revenue implications of achieving net carbon zero. This includes understanding that carbon savings may occur over time and the future cost of not taking action now.

We are including adaptation actions to ensure that we are resilient to the climate change that we are already seeing and will continue to see from historic emissions. Mitigation and adaptation are two sides of the same coin and we must take action on both.

The action plan needs to be flexible to adapt and respond to new technologies, new understanding and government initiatives and so this will be an organic document. We will take advantage of all funding opportunities open to us and have successfully bid for funds from the first round of the Public Sector Decarbonisation Scheme, the Green Homes Grant Local Authority Delivery scheme and Heat Network Delivery Unit.

Actions have been divided into ongoing, short-term (1-3 years), medium-term (3-5 years) and long-term (5+ years). We have also indicated the current status of each action and whether or not funding is already in place. For the majority of actions, it is unlikely that using savings from energy efficiency measures will be enough to fund future activity and investment will be needed.

Milestones will be developed year by year to enable robust reporting to Full Council every six months and an annual report will be produced.

This action plan is designed to help the Council reach its own carbon emissions target. The Council is directly responsible for around 2-5% of the Borough's emissions. We recognise our role as leaders and the importance of engaging with residents and businesses in Darlington. However, we also believe we have a responsibility to put our own house in order. We will be using our own experiences to feed into wider engagement work and will ensure that everyone has the tools they need to take their own actions.

PRINCIPLE 1: REDUCE ENERGY CONSUMPTION

Our work to improve the energy efficiency of our estate is not new but we will continue to take advantage of new technologies and proactively seek innovative solutions to improve this area of work further. We will explore new ways of heating and cooling our buildings, to reduce the need for fossil fuels and we will continue to make improvements to our council housing to help our tenants lower their bills and enjoy their homes.

An energy efficiency programme will be developed and rolled out across our estate with low cost technologies such as LED lighting across the corporate estate, including external lighting to parks, as well as included in new developments, to reduce energy use. We will also explore methods of capturing waste heat from energy use in our buildings.

Changes to national planning regulations will impose energy efficiency targets on developers and require homes from 2025 to produce at least 75% fewer carbon emissions as well as be zero carbon ready, so no further retrofit is required for future technologies. At the end of 2021, interim legislation will be introduced which will require all new homes to produce 31% fewer emissions. We can show leadership in this area when we build new council houses. We continue to work with vulnerable residents through the Warm Homes Fund and our partners, CAB, to provide energy advice.

Any new measures we install must be maintained at the recommended schedules to ensure they deliver the savings predicted over their lifetime. Additional budget may be needed to ensure any additional maintenance cycles and upgrades are manageable, but this can be offset by expected long-term operational savings.

There is likely to be a national shortage of skills and resources available to deliver a programme of this scale, particularly when seen alongside similar ambition and demand from other local authorities and business and we will work with the universities and the local enterprise partnership to help address this.

The choices we make impact on our carbon footprint. By working with our utility providers we can benefit from low and zero carbon solutions to our energy and water needs. We will also be ensuring that staff understand the impact it will have on them, on the job they do and the council as a whole. And we also must ensure that staff are supported to take action.

Overall Objective: Darlington Borough Council uses less energy resulting in fewer emissions

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
	Streetlighting and signs					
E1	Continue to specify high efficacy LED luminaires for highways and Section 38/278 lighting schemes	Streetlighting	Reduced consumption	Underway	Yes	Local Services

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
E2	Continue to apply variable light levels to street lighting luminaires throughout the late evening/night time where appropriate	Streetlighting	Reduced consumption	Underway	Yes	Local Services
E3	Replace less efficient/unswitched sign lanterns with new LED/switched sign lanterns.	Streetlighting	figures available via the street lighting asset register	Already achievable/confirmed can proceed	Yes	Local Services
Corporate buildings						
E4	Undertake a rationalisation of the office portfolio to reflect the reduced occupancy levels following the COVID-19 pandemic and the numbers of staff working from home	Corporate Landlord	Reduced consumption	Some knowledge of opportunity, has potential to deliver	Yes	Resources
E5	Discourage use of supplementary electric heaters and fans	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Staff skills and support						
E6	Develop an online training programme to develop the knowledge and skills of our staff	Sustainability & Climate Change Officer	Training programme is developed and on the training system	Completed	Yes	Resources
E7	Ensure staff training is part of the essential skills training for all staff through Academy 10.	Sustainability & Climate Change Officer	Number of staff who have completed the training	Completed	Yes	Resources
E8	Develop a Toolbox Talk for staff not able to access Academy 10	Sustainability & Climate Change Officer	Toolbox Talk developed	Completed	Yes	Resources
E9	Develop climate champions network.	Sustainability & Climate Change Officer	Network is developed and there are representatives across all services	Underway	Yes	Resources
E10	Add training to induction pack	Sustainability & Climate Change Officer	Induction pack updated	Already achievable/confirmed	Yes	Resources

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
				irmed can proceed		
E11	Regular hints & tips are disseminated to all staff	Sustainability & Climate Change Officer	Internal communications plan is developed	Already achievable/confirmed can proceed	Yes	Resources
E12	Explore feasibility of the JUMP programme to encourage sustainable behaviours.	Sustainability & Climate Change Officer	Feasibility study complete	Minimal knowledge, needs feasibility	Yes	Resources
E13	Regular open invitation briefing sessions held	Sustainability & Climate Change Lead Officer	Quarterly open sessions delivered	Already achievable/confirmed can proceed	Yes	Resources
Planning						
E14	Include a request in planning applications for expected carbon impact of developments.	Development Management	Preapplication checklist amended to incorporate.	Already achievable/confirmed can proceed	Yes	Economy
E15	Provide pre-application advice as part of the planning application process	Development Management	Preapplication checklist amended to incorporate	Already achievable/confirmed can proceed	Yes	Economy
			Sustainability & Climate Change Lead Officer added to consultee list	Completed		
E16	Ensure new build developments achieve Building Research Establishment Environmental Assessment Method (BREEAM) Very Good/Outstanding or equivalent	Development Management	Preapplication checklist amended to incorporate	Already achievable/confirmed can proceed	Yes	Economy
			Secondary check of full application to ensure addressed	Already achievable/confirmed can proceed	Yes	

School buildings						
E17	Consider materials and technologies used in upgrades to school premises to assist move towards carbon net zero	Skills and Employability	Assessment of impacts taken for works and decisions taken accordingly	Some knowledge of opportunity, has potential to deliver	Some – identified works greater than available budget	Children & Young People

SHORT TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	2021/22	2022/23	2023/24	Funding/ Resources available	Portfolio
Global initiatives									
E18	Develop a mechanism for allocating a carbon budget to each portfolio area	Sustainability & Climate Change Lead Officer	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			Yes	Economy
E19	Commitment to saving energy from building's users with support from an appointed energy champion	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			Yes	Resources
E20	Enable power saving settings for computers and associated equipment	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			Yes	Resources
E21	Review and minimise simultaneous operation of heating and cooling systems	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Resources
E22	Review how building fabric air tightness could be improved through sealing, draught stripping and closing off unused ventilation openings	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Resources

	Actions	Owner	Measure of success	Status	2021/22	2022/23	2023/24	Funding/ Resources available	Portfolio
E23	Consider introducing and improving loft insulation	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Resources
E24	Review hot water wastage	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Resources
E25	Review temperature setpoints (1° C reduction could save 8-10% gas consumption)	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			No	Resources
Central House									
E26	Boiler renewal for more efficient demand management including controls for optimisation of building occupancy. Capital released and scheme progressing	Corporate Landlord	Reduced consumption	Underway	March 2022			Yes	Resources
E27	Review 24/7 day time controls onto electric HWS Cylinders	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		Yes	Resources
E28	Replace any remaining T8 and T12 luminaires with LED	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Resources

Central House Annexe									
E29	Consider fitting secondary glazing and under glaze sky lights where appropriate	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Resources
E30	Replace any remaining T8 and T12 luminaires with LED	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Resources
Crown St Library									
E31	Review 24/7 day time controls onto electric HWS Cylinders	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2023	No	Local Services
E32	Clean windows and roof lights to maximise daylight entering the building and reduce the need for artificial lighting	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			No	Local Services
E33	Consider fitting secondary glazing and under glaze sky lights where appropriate	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Local Services
E34	Consider introducing or improving wall insulation (internal lining) to solid single skin structures	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Local Services

Dolphin Centre									
E35	Review overall air conditioning strategy and utilisation	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing
E36	Consider variable speed drives for fans, pumps and compressors	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
E37	Review BMS installation and submetering monitoring	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing
E38	Consider with chefs and kitchen managers implementing a training programme and monitoring system	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing
E39	Focused efficiency plan for kitchens including review of catering equipment capacities and downsize opportunities	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing
E40	Assess the correct heat up times for kitchen equipment and implement. It might not be necessary to switch on all equipment at the start of the day	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing

E41	Consider fitting secondary glazing and under glaze sky lights where appropriate	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
E42	Consider how the pool complex air tightness can be improved and sealed better	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
E43	Review condition or fabric for measures to improve energy performance ie building pressure tests for air tightness and thermography tests for insulation continuity	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
E44	Consider installing humidity control to pool hall ventilation	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
E45	Review pool air and water temperatures	Corporate Landlord	Reduced consumption	Underway	March 2022			No	Health & Housing
E46	Review use of pool covers	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility		March 2023		No	Health & Housing

E47	Consider replacing any legacy sodium based lighting with LED	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Health & Housing
Hippodrome									
E48	Focused efficiency plan for kitchens including review of catering equipment capacities and downsize opportunities	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2023	No	Local Services
E49	Introduce expandable entrance collars to connect the rear of the delivery vehicles to loading areas to reduce heat losses	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Local Services
E50	Introduce interlocks between heating system and loading bay	Corporate Landlord	Reduced consumption	Tender stage	Sept 2021			Yes	Local Services
E51	Switch off all drinks chiller cabinets when theatre closed	Corporate Landlord	Reduced consumption	Tender stage	Sept 2021			Yes	Local Services
E52	Air source heat pumps to hot water system	Corporate Landlord	Reduced consumption	Tender stage	Sept 2021			Yes	Local Services

E53	Manage lighting in auditorium and discourage its use as a through route to access other areas	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	March 2022			No	Local Services
Town Hall									
E54	Upgrade to heating zone controls to reduce over and under heating where structure, orientation, and occupation have different characteristics and need.	Corporate Landlord	Reduced consumption	Underway	March 2022			Yes	Resources
E55	Consider introducing or improving wall insulation (internal lining) to solid single skin structures	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility			March 2024	No	Resources
E56	Air Source Heat Pumps to Hot Water System	Corporate Landlord	Reduced consumption	Tender Stage	Sept 2021			Yes	Resources
E57	Replace any remaining T8 and T12 luminaires with LED	Corporate Landlord	Reduced consumption	Tender Stage	Sept 2021			Yes	Resources
E58	Provision of additional PV	Corporate Landlord	Reduced consumption	Tender Stage	Sept 2021			Yes	Resources

School buildings									
E59	Lobby Government to set the standard for schools' design at net carbon zero and provide adequate funding to meet this requirement.	Skills and Employability	Opportunities to lobby government taken	Already achievable/confirmed can proceed	March 2022			Yes	Children & Young People
E60	Use energy efficiency and waste management training for PFI schools as a case study to disseminate to all schools	Skills and Employability	Case study complete	Already achievable/confirmed can proceed	March 2022			Yes	Children & Young People
New build									
E61	Ensure that the prioritisation of carbon reduction is maintained throughout the design and build process.	Capital Projects		Some knowledge of opportunity, has potential to deliver	March 2022			No	Economy
E62	Ensure new corporate buildings reflect and deliver the processes within the climate change strategy.	Capital Projects		Some knowledge of opportunity, has potential to deliver	March 2022			No	Economy
E63	Reduce use of brick and blockwork in designs for our house building and increase the use of more sustainable processes and materials	Capital Projects	Increased % of sustainable materials used	Some knowledge of opportunity, has potential to deliver			March 2024	No	Economy
E64	Require and analyse whole life costing during the building design process.	Capital Projects	Whole life costing produced	Minimal knowledge, needs feasibility			March 2024	No	Economy
E65	Investigate the implementation of a set carbon intensity parameters for construction of new council buildings (e.g. KgCO2e/m2)	Capital Projects	Provides reliable data to measure and set targets against	Minimal knowledge, needs feasibility		Dec 2022		No	Economy
E66	Join UK Green Building Council and Submit scheme details during the design phase for audit by 3rd party	Capital Projects	No. schemes audited	Already achievable/confirmed can proceed	March 2022			Yes	Economy

MEDIUM TERM ACTIONS (3-5 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
Global initiatives						
E67	Insulate all pipework, valves and fittings throughout	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
E68	Review opportunities for solar panels	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
E69	Review combined heat and power opportunity	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
E70	Review solar water heating	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
E71	Upgrade to heating zone controls to reduce over and under heating where structure, orientation, and occupation have different characteristics and need.	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Head of Steam						
E72	Major refurbishment scheme to be undertaken	Capital Projects	Improved building efficiency	Already achievable/confirmed can proceed	Yes	Local Services
Housing						
E73	Improve heat efficiency of existing Council houses, looking at renewable energy sources	Housing	Reduced bills for tenants	Minimal knowledge, needs feasibility	Yes	Health & Housing

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
E74	Work with tenants to ensure their energy usage is efficient	Housing	Reduced bills for tenants	Some knowledge of opportunity, has potential to deliver	Yes	Health & Housing
E75	We design and build net carbon zero buildings.	Housing	Carbon assessments carried out early during the design stage to highlight areas which can be improved	Some knowledge of opportunity, has potential to deliver	Yes	Health & Housing
E76	Enforce private rented and non-domestic Minimum Energy Efficiency Standards regulations	Private Sector Housing	EPC register profile	Some knowledge of opportunity, has potential to deliver	Capacity issues	Health & Housing
E77	Houses that are currently designed but pre-construction are reviewed to ensure the principles in this strategy are applied.	Capital Projects	Reviews complete	Some knowledge of opportunity, has potential to deliver	No, potential capacity issues	Health & Housing

LONG TERM ACTIONS (5+ YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
Global initiatives						
E78	Introduce draught lobbies to reduce unwanted air infiltration	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
E79	Review building lighting strategies with particular focus to luminaires, control systems and daylighting provision. Install occupancy sensor controls to lighting in all rooms, wc's and corridors. Setting time delays to minimum practical levels	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Central House						
E80	Consider fitting secondary glazing and under glaze sky lights where appropriate	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Central House Annexe						
E81	Consider replacing or improving glazing	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Town Hall						
E82	Consider replacing or improving glazing (single glazed integral windows)	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
E83	Consider introducing or improving insulation of flat roofs	Corporate Landlord	Reduced consumption	Minimal knowledge, needs feasibility	No	Resources
Housing						
E84	Review the energy efficiency of Council Housing Stock to identify technologies to improve the EPC rating of existing housing stock to Band C or above.	Housing	Reduced bills for tenants via reduced consumption Reduction in energy use	Known government target but systems to deliver not yet established	No	Health & Housing

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
E85	EPC rating of 'B' to be achieved for all new build housing delivered directly by DBC or its partners	Housing	Reduced bills for tenants via reduced consumption Reduction in energy use	Known government target but systems to deliver not yet established	No	Health & Housing
E86	Consider the technologies used in New Builds to achieve carbon net zero and adapt same technologies into planned programmes.	Housing	Renewal programme in line with New build specifications for Energy efficiency	Some knowledge of opportunity, has potential to deliver	No	Health & Housing
E87	Whole dwelling assessment for every property in Darlington	Housing	Number of assessments completed	Blue sky	No	Health & Housing

PRINCIPLE 2: REDUCE DEMAND FOR FOSSIL FUELS

Finding alternative sources of energy is vital to achieving our target. As the electricity grid becomes cleaner, we will need to be looking to switch from gas to electricity, where we can. We have already chosen a zero carbon tariff for our electricity supply, but as prices continue to rise, we should reduce our reliance on grid electricity.

Staff transport does not form the greatest portion of the Council's carbon footprint, although transport is a significant portion of the Borough's emissions. It is still, therefore, an important area to address. Through actions in this sphere, we can influence behaviours beyond the organisational boundary.

The Council's fleet needs to deliver a wide range of services, such as refuse collection to street cleaning, from buildings services to highway maintenance. Low emission version of some of these vehicles are still extremely expensive so we need to ensure that our transition plan is robust and forward looking.

Overall objective: Reduce reliance on fossil fuels to meet the Council's climate change ambitions

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
Council fleet						
F1	Review of fleet by Energy Savings Trust	Waste & Transport Services	Report received	Already achievable/confirmed can proceed	Yes	Local Services
F2	Identify infrastructure needs for fleet transition	Waste & Transport Services	Infrastructure plan developed	Some knowledge of opportunity, has potential to deliver	No	Local Services
F3	Identify sources of funding for fleet transition	Waste & Transport Services	Funding plan produced	Some knowledge of opportunity, has potential to deliver	No	Local Services
F4	Develop a fleet transition plan	Waste & Transport Services	Plan produced	Some knowledge of opportunity, has potential to deliver	No	Local Services
Utilities						
F5	Proactively manage utility purchasing	Corporate Landlord	Portfolio reviewed to ensure we are on the most appropriate tariff.	Already achievable/confirmed can proceed	Yes	Resources

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
New build						
F6	Incorporate district heating schemes into developments.	Development Management	Preapplication checklist amended to incorporate	Completed		Economy
			Secondary check of full application to ensure addressed	Minimal knowledge, needs feasibility	yes	
Influencing transport providers						
F7	Use our influence to encourage taxi drivers to switch off engines when stationary and move to electric vehicles	Licensing	Information is disseminated to all taxi drivers	Underway	Capacity issues	Stronger Communities
F8	Use our influence to encourage bus companies to switch off engines and upgrade their fleets where appropriate	Transport Planning	Information is disseminated to drivers Bus companies have produced fleet transition plans	Some knowledge of opportunity, has potential to deliver	Capacity issues	Local Services

SHORT-TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
Town Hall									
F9	Renew the boilers at the Town Hall	Corporate Landlord	New boilers will be more efficient and use less energy	Completed					Resources
Staff travel									

	Actions	Owner	Measure of success	Status	Funding/ Resources available	2021/22	2022/23	2023/24	Portfolio
F10	Review the corporate business travel policy for agile working	HR	Policy is reviewed and recommendations produced	Underway. Potential to reduce staff commutes and carbon. Electric car Mileage rate has been introduced	Yes	March 2022			Resources
F11	Ensure appropriate mechanisms are in place to gather data and to oversee and if necessary, enforce the travel policy	HR/Audit	Current mechanisms reviewed and recommendations made	Some knowledge of opportunity, has potential to deliver. Managers responsible for monitoring and audits undertaken accordingly	Yes		March 2023		Resources
F12	Introduce salary sacrifice scheme for purchase of low emission cars	HR	Scheme established	Complete					Resources
F13	Have a pool of low emission/hybrid/electric cars for staff to use for work related travel to try and encourage staff members to travel to and from work more sustainably	Transport Planning	Feasibility study of scheme completed	Some knowledge of opportunity, has potential to deliver	No			March 2024	Local Services
F14	Include questions in staff survey to establish travel habits pre, during and post lockdown	Transport Planning	x% staff completed survey	Already achievable/confirmed can proceed	Yes	March 2022			Local Services
F15	Review staff survey and make recommendations	HR/Transport Planning	Recommendations put forward	Already achievable/confirmed can proceed	Yes	March 2022			Resources/Local Services
F16	Promotion of current cycling and walking incentives including staff offers at Halford of discount towards cost of bicycle	HR	Promotion complete	Already achievable/confirmed can proceed	Yes	March 2022			Resources
F17	Include questions in staff survey regarding current and potential cycling incentives schemes	Transport Planning	x% staff completed survey	Already achievable/confirmed can proceed	Yes	March 2022			Local Services

	Actions	Owner	Measure of success	Status	Funding/ Resources available	2021/22	2022/23	2023/24	Portfolio
F18	Following survey, review cycling incentives currently in place and assess viability of recommendations	Transport Planning	Cycling survey reviewed Viable recommendations accepted	Already achievable/confirmed can proceed	Yes	March 2022			Local Services
F19	Further promotion of cycling and walking incentives	HR/Transport Planning	Promotion complete	Already achievable/confirmed can proceed	Yes	March 2022			Resources/Local Services
F20	Investigate setting up a car club for travel to, from and during work	Transport Planning	Current provision reviewed Recommendations produced	Already achievable/confirmed can proceed	Yes	March 2022			Local Services
F21	Review current arrangement for Arriva travel club	HR	Review complete Recommendations produced	Some knowledge of opportunity, has potential to deliver	Yes		March 2023		Resources
F22	Review Arriva travel ticket offers	HR	Review complete Recommendations produced	Some knowledge of opportunity, has potential to deliver	Yes		March 2023		Resources

LONG TERM ACTIONS (5+ YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
F23	Support social housing tenants with assistance for charging electric vehicles at home.	Housing	Requests approved	Some knowledge of opportunity, has potential to deliver	No	Health & Housing

F24	Set up a local energy switching scheme	Housing	Number of residents switching	Some knowledge of opportunity, has potential to deliver	No, would need increased capacity	Health & Housing
-----	--	---------	-------------------------------	---	-----------------------------------	------------------

PRINCIPLE 3: CONTRIBUTE TO A GREENER GRID

To reach net zero carbon we will need to increase the amount of energy generated from renewable sources. We will need to explore all forms of renewable energy to maximise the benefits for the Council and the Borough's residents and businesses.

Overall objective: An increase in renewable energy generation

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	3-5 years	5 + years	Portfolio
G1	We adopt a presumption in favour of renewables and batteries across our whole estate, integrating these technologies as standard in all capital projects.	Capital Projects	All new projects adopt renewables & batteries	Some knowledge of opportunity, has potential to deliver	No			March 2024	x		Economy
G2	Our building design process takes a whole system approach to low carbon technologies, exploring all options for energy standards, such as Passivhaus standards.	Capital Projects	Feasibility study complete	Minimal knowledge, needs feasibility	No			March 2024	x		Economy

PRINCIPLE 4: SEQUESTER CARBON

A strong and healthy natural environment with a variety of habitats, will support our ability to be resilient to climate change and will act as to collect and store carbon from the atmosphere.

Where we can measure the carbon captured by environmental projects we may be able to use them as a carbon offset. A carbon offset is a way to compensate for your emissions by funding an equivalent carbon dioxide saving elsewhere. We aim to reduce our emissions as far as possible so that any offsetting is only required for a very small proportion of our emissions. When considering offsetting projects, we want to secure the widest benefit for Darlington, so we will invest in local projects that also deliver wider social and environmental benefits.

Overall objective: A strong and healthy natural environment

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
S1	Explore opportunities for enhancing roadside verges and open space	Countryside Services	Increase in areas enhanced for biodiversity	Already achievable/confirmed can proceed	Some	Local Services
S2	Support Tees Valley Nature Partnership to protect and enhance natural capital	Sustainability and Climate Change Lead Officer	Meetings attended	Underway	Yes	Economy

SHORT-TERM ACTIONS (1-3 YEARS)

	Owner	Actions	Measure of success	Status	Funding/Resource s available	2021/22	2022/23	2023/24	Portfolio
S3	Countryside Services	Plant 20,000 new trees	Number of trees planted	Already achievable/confirmed can proceed	Some/in partnership	March 2022	March 2023	March 2024	Local Services
S4	Sustainability & Climate Change Lead Officer	Develop plan for offsetting emissions, including how it would be funded	Plan produced	Some knowledge of opportunity, has potential to deliver	Yes			March 2024	Economy

GOVERNANCE

Governance measures exist to ensure that we deliver our objectives. We will ensure that governance procedures are updated to account for the changing policy landscape.

Overall objective: The Council's policies and procedures support its climate change ambitions

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
Go1	Strategy and action plan formally reviewed every three years, with an ongoing watching brief	Sustainability and Climate Change Lead Officer	Formal review carried out	Already achievable/confirmed can proceed	Yes	Economy

SHORT-TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
Go2	All cabinet reports, scrutiny reports, plans and policies will include a climate change impact assessment.	Democratic Services	Guidance notes for completion of cabinet papers updated	Completed					Resources
Go3	Ensure that sustainability appraisals include robust questions on climate change	Democratic Services	Sustainability appraisal is updated	Some knowledge of opportunity, has potential to deliver	Yes				Resources

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
Go4	Ensure that existing governance arrangements ask for and provide an opportunity to scrutinise both net carbon zero ambitions and adaptation plans	Democratic Services	Guidance notes for Scrutiny Committees members produced and disseminated	Completed					Resources
Go5	Review key policies and provide recommendations for alignment	Democratic Services	Policies reviewed	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2023	Resources
Go6		Democratic Services	Ensure climate change recommendations are incorporated on renewal	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2023	Resources

PROCUREMENT

Each year, we spend approximately £120 million in the private and voluntary sector. This spend presents a significant opportunity and responsibility to influence our supply chain. Through our procurement process, we can motivate beyond our corporate boundary.

Overall objective: We use our purchasing power and influence to deliver climate change benefits

SHORT-TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
P1	Conduct a climate change risk assessment on existing contracts	Procurement	Risk assessment completed	Minimal knowledge, needs feasibility	Capacity issues		March 2023		Resources
P2	Review the current criteria for carbon in the procurement process, including reviewing of the weighting assigned to carbon	Procurement	Review completed Recommendations produced	Minimal knowledge, needs feasibility	Capacity issues		March 2023		Resources
P3	Review the current criteria and encourage school transport drivers to switch off engines when stationary and move to electric vehicles	Procurement	Review completed Recommendations produced	Minimal knowledge, needs feasibility	Capacity issues			March 2024	Resources
P4	Review contract management processes to ensure that we to scrutinise suppliers' carbon performance	All Services	Review completed Recommendations produced	Minimal knowledge, needs feasibility	Capacity issues				Resources

FINANCING

We are working in a time of increasingly constrained budgets but we must make sure that the resources to invest in the actions we need to take are available to us. We will need to investigate, and be prepared to invest in, all potential solutions and accept that the payback period may be longer than we are used to.

Overall objective: Resources are available to support the Council's climate change ambitions

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
Fi1	Lobby government for funding to be available, for example, the long-awaited UK Shared Prosperity Fund, and allocated on a fair basis.	Finance	All lobbying opportunities taken	Minimal knowledge, needs feasibility	Potential capacity issues	Resources

SHORT-TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
Fi2	Develop a funding solution to support the Council's climate initiatives to be included as part of the annual MTFP.	Finance	Baseline funding solution methodology agreed	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources
Fi3	Investigate the practicality of issuing bonds	Finance	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources
Fi4	Explore risk/scrutiny of using financing from specialist climate/carbon reduction schemes offering interest free loans (i.e. Salix Finance, etc.)	Finance	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
Fi5	Investigate a system to ring-fence (all or proportion of) savings achieved as a direct result of council climate change policies which can be used to support further investment	Finance	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Resources
Fi6	Explore legal and practicality of building in environmental goals into relevant procurement and if not achieved supplier to pay a climate rebate which can be retained to fund future climate change actions	Procurement	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Resources
Fi7	Explore legal/statutory powers to add a climate levy to schemes/projects	Legal	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources
Fi8	Use of CIL to fund transport & infrastructure linked to climate change objectives	Finance	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Resources
Fi9	Explore opportunity to use existing resources & funding allocated for projects but with bolt-ons for meeting climate change objectives	Finance	Feasibility study complete	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources
Fi10	Ensure council's investments consider DBC green objectives	Finance	Treasury Management function updated to consider green objectives as criteria for making investments	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Resources

ADAPTATION

The world's climate is changing. Even if all emissions ceased today, our climate would continue to change as a result of historic emissions and we need to be prepared. The 2015 Paris Agreement of the UN Framework Convention on Climate Change, is a globally binding commitment to reduce emissions and keep the world's temperature rises below two degrees, and ideally below one and a half degrees. Even so, the world will experience significant impacts; increases in extreme weather, droughts, floods, sea level rise and biodiversity loss, and risks to vulnerable people and populations. As temperature rises continue these impacts will increase. Cutting carbon emissions remains the most cost-effective step that local authorities can take, but adaptation needs to be considered alongside mitigation to ensure that our systems and our services are resilient. We also need to ensure that residents and businesses understand the risks and what they can do about them.

In 2019 Association of Directors of Environment, Economy Planning and Transport (ADEPT) with the Local Adaptation Advisory Panel (LAAP) published [guidance for local authorities](#) on improving resilience to climate change. The actions listed here will ensure that the Council has achieved the guidance's 'initial adaptation level' across the entire organisation.

Overall objective: The Council, residents and businesses understand the risks of climate change and are working to improve their resilience

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
A1	Identify key contacts in other organisations and to understand shared priorities for climate resilience in key statutory areas	Sustainability & Climate Change Lead Officer	All opportunities to make contact taken	Already achievable/confirmed can proceed	Potential capacity issues	Economy
A2	Collaborative working through local government networks and other key partners to increase efforts to embed adaptation	Sustainability & Climate Change Lead Officer	All opportunities to make contact taken	Underway	Potential capacity issues	Economy
A3	Include adaptation policies in local plans, growth plans and spatial frameworks	Sustainability & Climate Change Lead Officer	Adaptation policies embedded into all plans	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
A4	Provide basic information on climate change adaptation to businesses online, including local flood risk	Sustainability & Climate Change Lead Officer	Business resilience manual is available on the Council's website and is disseminated through our networks	Completed		Economy
A5	Promote sign up to the Environment Agency's flood warning service	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan	Already achievable/confirmed can proceed	Potential capacity issues	Economy
A6	Raise awareness of relevant climate risks with local businesses through local business groups	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan	Already achievable/confirmed can proceed	Potential capacity issues	Economy
A7	Communicate key benefits to businesses from climate change	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan	Already achievable/confirmed can proceed	Potential capacity issues	Economy
A8	Produce information for residents	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan	Already achievable/confirmed can proceed	Potential capacity issues	Economy

SHORT-TERM ACTIONS (1-3 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A9	Appoint a political leader/councillor with responsibility for adaptation	Sustainability & Climate Change Lead Officer	Adaptation champions is appointed	Already achievable/confirmed can proceed	Yes	March 2022			Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A10	Identify officers responsible for adaptation in services and provide support for risk assessing their areas	Sustainability & Climate Change Lead Officer	Robust risk assessment is completed Actions are developed	Already achievable/confirmed can proceed	Potential capacity issues	March 2022			Economy
A11	Conduct a gap analysis of current activity to identify further actions which could be undertaken	Sustainability & Climate Change Lead Officer	Gap analysis complete	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	March 2022			Economy
A12	Integrate adaptation measures in statutory plans, strategies and functions	Sustainability & Climate Change Lead Officer	All plans and strategies include adaptation measures	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A13	Include weather risks and associated impacts in strategic risk register	Sustainability & Climate Change Lead Officer	Strategic risk register is updated	Already achievable/confirmed can proceed	Potential capacity issues		March 2023		Economy
A14	Include weather risks and associated impacts in corporate risk register	Sustainability & Climate Change Lead Officer	Corporate risk register is updated	Already achievable/confirmed can proceed	Potential capacity issues	March 2022			Economy
A15	Include weather risks and associated impacts in community risk register	Sustainability & Climate Change Lead Officer	Community risk register is updated	Already achievable/confirmed can proceed	Potential capacity issues	March 2022			Economy
A16	Undertake a local climate change risk assessment for most vulnerable services (eg education and social care)	Sustainability & Climate Change Lead Officer	Risk assessment complete	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A17	Map longer-term decisions and investments across service areas to determine opportunities to build in resilience	Sustainability & Climate Change Lead Officer	Mapping complete	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy
A18	Embed contractual requirements for climate resilience or adaptation into key contracts and services	Sustainability & Climate Change Lead Officer	Adaptation embedded into all future contracts	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A19	Identify and understand critical and local infrastructure	Sustainability & Climate Change Lead Officer	Study of local infrastructure complete	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Economy
A20	Review the extent to which service delivery depends on critical infrastructure	Sustainability & Climate Change Lead Officer	Study of local infrastructure complete	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Economy
A21	Review materials and approaches to highway maintenance	Sustainability & Climate Change Lead Officer	Review complete	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Local Services
A22	Engage with infrastructure providers to understand impact on local authority infrastructure assets and develop plans to reduce risks	Sustainability & Climate Change Lead Officer	All opportunities to make contact taken	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy
A23	Work across infrastructure providers and agencies to understand interdependent risks	Sustainability & Climate Change Lead Officer	All opportunities to make contact taken	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A24	Provide an evidence base for developers, to support development of adaptation policies	Sustainability & Climate Change Lead Officer	Evidence for developers produced	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	March 2022			Economy
A25	Ensure new development is located and designed in accordance with sequential and exception tests set out in National Planning Policy Framework	Sustainability & Climate Change Lead Officer	Tests applied	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Economy
A26	Prepare local policies on delivery of NPPF Sustainable Drainage Systems policies	Sustainability & Climate Change Lead Officer	Policies prepared	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Economy
A27	Require energy, water efficiency and flood resistance and resilience measures in any local authority-enabled development	Sustainability & Climate Change Lead Officer	All local authority developments include resilience measures	Minimal knowledge, needs feasibility	Potential capacity issues	March 2022			Economy
A28	Develop a programme of water, energy retrofit and flood resistance and resilience measures	Sustainability & Climate Change Lead Officer	Programme developed	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy
A29	Specify requirement of the BREEAM adaptation credit in new build and refurbishments	Sustainability & Climate Change Lead Officer	Feasibility completed	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy
A30	Specify use of Civil Engineering Environmental Quality Assessment and Award Scheme (CEEQUAL)	Sustainability & Climate Change Lead Officer	Feasibility completed	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
	in Public Realm / Infrastructure projects								
A31	Review current and future flood risk to council buildings and assets	Sustainability & Climate Change Lead Officer	Review complete	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	March 2022			Economy
A32	Embed climate change in local flood risk management strategies	Sustainability & Climate Change Lead Officer	Strategies include climate change	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	March 2022			Economy
A33	Work with local resilience forums to collect and share data on resource impacts of severe weather events	Sustainability & Climate Change Lead Officer	Data shared	Already achievable/confirmed can proceed	Potential capacity issues		March 2023		Economy
A34	Include possible health impacts from weather events and future climate risks in the Joint Strategic Needs Assessment	Sustainability & Climate Change Lead Officer	JSNA updated	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Economy
A35	Use local data on population and health to consider social vulnerability to climate change impacts	Sustainability & Climate Change Lead Officer	Report on social vulnerability produced	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Economy
A36	Include adaptation in health and wellbeing plans	Sustainability & Climate Change Lead Officer	Health and wellbeing plans updated	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Economy
A37	Assess the range of social care assets and key routes used by staff at risk of flooding	Sustainability & Climate Change Lead Officer	Assets and routes mapped against flood risk	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy
A38	Support commissioners to embed consideration of future climate change into the commissioning processes of care providers	Sustainability & Climate Change Lead Officer	Guidance produced	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A39	Assess flood risk of residents (particularly vulnerable adults and children) who have care provided at home	Sustainability & Climate Change Lead Officer	Flood risk mapped	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy
A40	Develop flexible working arrangements for staff unable to travel to sites due to extreme weather	Sustainability & Climate Change Lead Officer	Flexible working arrangements in place	Already achievable/confirmed can proceed	Potential capacity issues		March 2023		Resources
A41	Implement local responses to the Heatwave Plan for England	Sustainability & Climate Change Lead Officer	Local response implemented	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A42	Target development of flood risk management schemes into areas of significant flood disadvantage	Sustainability & Climate Change Lead Officer	Flood risk areas mapped	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy
A43	Identify the most vulnerable groups to climate change risks	Sustainability & Climate Change Lead Officer	Vulnerable groups identified and mapped	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A44	Ensure processes for development of plans to address climate risk involve those most likely to be affected	Sustainability & Climate Change Lead Officer	Stakeholder mapping completed	Already achievable/confirmed can proceed	Potential capacity issues			March 2024	Economy
A45	Identify critical at-risk businesses and infrastructure	Sustainability & Climate Change Lead Officer	Register produced	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy
A46	Review Adaptation Reporting Power reports of local organisations to understand key infrastructure issues	Sustainability & Climate Change Lead Officer	Summary report produced	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A47	Identify where natural capital assets are within the local area	Sustainability & Climate Change Lead Officer	Natural capital assets mapped	Already achievable/confirmed can proceed	Potential capacity issues		March 2023		Economy
A48	Review local biodiversity action plans and species action plans to develop actions for particular species' vulnerable to future climate	Sustainability & Climate Change Lead Officer	Plans reviewed	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A49	Use natural capital accounting approaches to monetise benefits of assets and build a shared picture of local value	Sustainability & Climate Change Lead Officer	Mapped assets valued	Minimal knowledge, needs feasibility	Potential capacity issues			March 2024	Economy
A50	Engage key partners such as the Environment Agency, Natural England, neighbouring authorities and Tees Valley Nature Partnership to develop adaptation actions for natural capital	Sustainability & Climate Change Lead Officer	Adaptation actions developed	Already achievable/confirmed can proceed	Potential capacity issues			March 2024	Economy
A51	Ensure biodiversity net-gain proposals in new development are screened to ensure they are suitable under future climate scenarios	Sustainability & Climate Change Lead Officer	Screening protocols with ecologist developed	Minimal knowledge, needs feasibility	Potential capacity issues		March 2023		Economy
A52	Fund and implement a tree planting policy	Sustainability & Climate Change Lead Officer	Tree & woodland strategy published	Completed		March 2022	March 2023		Local Services
A53	Use green infrastructure to providing shading and cooling for buildings or to protect walking and cycling routes	Sustainability & Climate Change Lead Officer	GI included in development plans	Some knowledge of opportunity, has potential to deliver	Potential capacity issues		March 2023		Economy

	Actions	Owner	Measure of success	Status	Funding/Resources available	2021/22	2022/23	2023/24	Portfolio
A54	Use green infrastructure and other nature-based solutions to provide resilience	Sustainability & Climate Change Lead Officer	GI included in development plans	Some knowledge of opportunity, has potential to deliver	Potential capacity issues			March 2024	Economy
A55	Promote water, energy efficiency and flood resistance and resilience measures	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan	Some knowledge of opportunity, has potential to deliver	Potential capacity issues				Economy
A56	Raise awareness of relevant climate risks with local community groups	Sustainability & Climate Change Lead Officer	Information is available and is disseminated as indicated in the communications plan		Potential capacity issues	March 2022			Economy

MEDIUM-TERM ACTIONS (3-5 YEARS)

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
A57	Use the ADEPT guidance to determine next steps needed to reach 'maturing adaptation' level	Sustainability & Climate Change Lead Officer	Plan for next steps produced	Some knowledge of opportunity, has potential to deliver	Potential capacity issues	Economy

COMMUNICATIONS

Overall objective: Information on actions planned and progress made is disseminated

ONGOING ACTIONS

	Actions	Owner	Measure of success	Status	Funding/Resources available	Portfolio
C1	Internal communications plan developed	Communications Team	Plan developed	Underway	Yes. Capacity issues if ongoing need to communicate Covid messages	Resources
			Staff are encouraged to submit ideas	Already achievable/confirmed can proceed		
			Regular tips are shared	Already achievable/confirmed can proceed		
C2	External communications plan developed	Communications Team	Plan developed	Underway	Yes. Capacity issues if ongoing need to communicate Covid messages	Resources
			Examples of good practice are shared	Already achievable/confirmed can proceed		
			Hints and tips on what to do are shared	Already achievable/confirmed can proceed		