

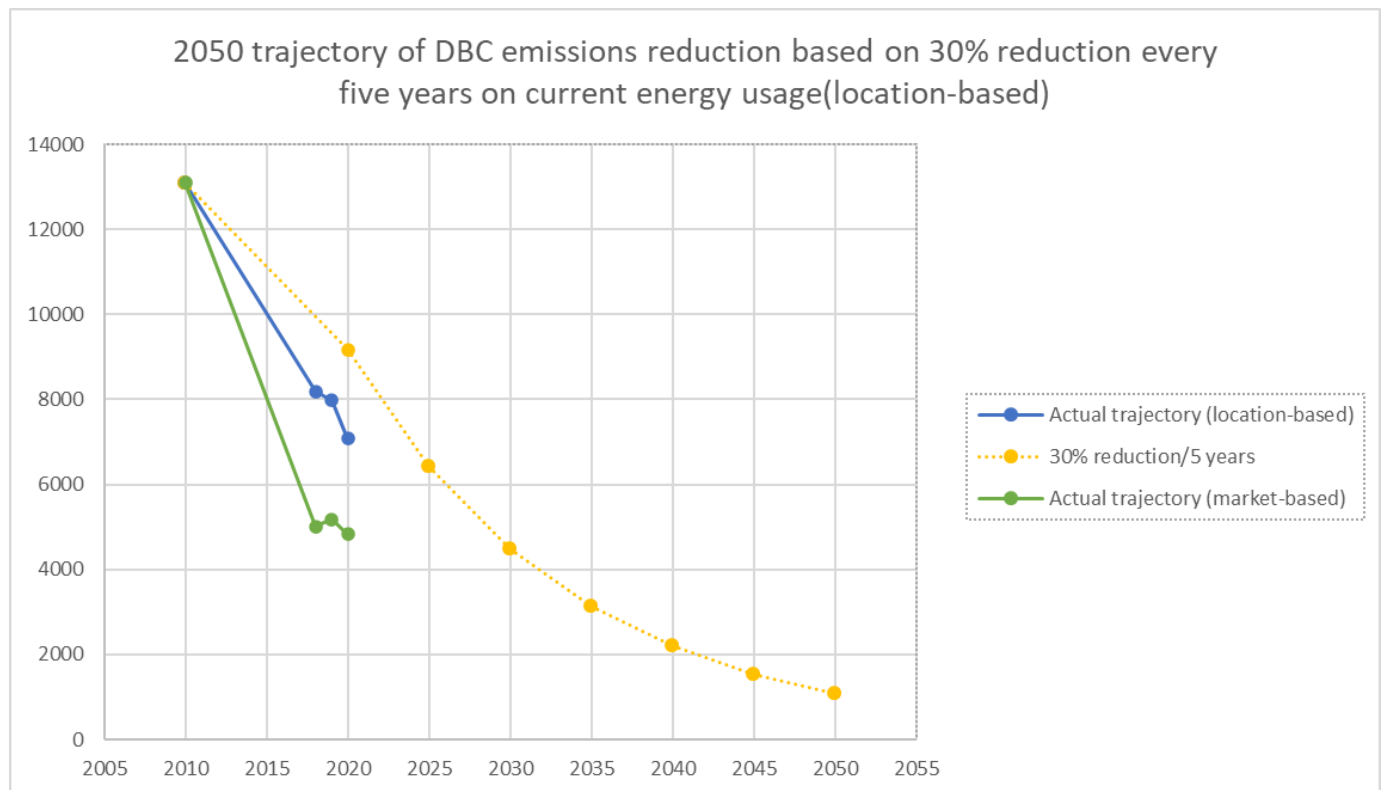
## Climate Change Action Plan

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.

On 5<sup>th</sup> October 2020, Cabinet approved a trajectory to deliver a 30% reduction in emissions every 5 years. This trajectory would give us an approximate 76% reduction in emissions by 2035 compared to our baseline of 2010, similar to the Government’s recently published target of 78% reduction in emissions by 2035 compared to 1990 levels.



At present our emissions are below this trajectory, 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*

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

|                                 | <b>Actions</b>   | <b>Owner</b>                            | <b>Measure of success</b>  | <b>Status</b>   | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|---------------------------------|--|---|--|---|------------------------------------|------------------|
| 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   |
| <b>Corporate buildings</b>      |  |   |  |   |                                    |                  |
| 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        |
| <b>Staff skills and support</b> |  |   |  |   |                                    |                  |
| 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        |

|                 | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>  | <b>Status</b>                            | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----------------|--|--|--|--|------------------------------------|------------------|
|                 |  |  |  | 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        |
| <b>Planning</b> |  |  |  |  |                                    |                  |
| 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                                |                  |

| <b>School buildings</b> |  |                          |   |   |   |                         |
|-------------------------|--|--------------------------|---|---|---|-------------------------|
| 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)*

|                           | <b>Actions</b>  | <b>Owner</b>                                 | <b>Measure of success</b> | <b>Status</b>                        | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Funding/ Resources available</b> | <b>Portfolio</b> |
|---------------------------|---|--|---------------------------|--------------------------------------|----------------|----------------|----------------|-------------------------------------|------------------|
| <b>Global initiatives</b> |   |  |                           |                                      |                |                |                |                                     |                  |
| 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        |

|                      | <b>Actions</b>   | <b>Owner</b>       | <b>Measure of success</b> | <b>Status</b>                        | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Funding/ Resources available</b> | <b>Portfolio</b> |
|----------------------|--|--------------------|---------------------------|--------------------------------------|----------------|----------------|----------------|-------------------------------------|------------------|
| 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        |
| <b>Central House</b> |  |                    |                           |                                      |                |                |                |                                     |                  |
| 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        |

| <b>Central House Annexe</b> |  |                    |                     |                                      |            |  |            |    |                |
|-----------------------------|--|--------------------|---------------------|--------------------------------------|------------|--|------------|----|----------------|
| 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      |
| <b>Crown St Library</b>     |  |                    |                     |                                      |            |  |            |    |                |
| 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 |
| <b>Hippodrome</b> |   |                    |                     |                                      |           |  |            |     |                  |
| 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 |
| <b>Town Hall</b> |   |                    |                     |                                      |            |  |            |     |                |
| 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      |

| <b>School buildings</b> |  |                          |   |   |            |          |            |     |                         |
|-------------------------|--|--------------------------|---|---|------------|----------|------------|-----|-------------------------|
| 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 |
| <b>New build</b>        |  |                          |   |   |            |          |            |     |                         |
| 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)*

|                           | <b>Actions</b>  | <b>Owner</b>       | <b>Measure of success</b>    | <b>Status</b>                            | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|---------------------------|---|--------------------|------------------------------|--|------------------------------------|------------------|
| <b>Global initiatives</b> |   |                    |                              |  |                                    |                  |
| 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        |
| <b>Head of Steam</b>      |   |                    |                              |  |                                    |                  |
| E72                       | Major refurbishment scheme to be undertaken   | Capital Projects   | Improved building efficiency | Already achievable/confirmed can proceed | Yes                                | Local Services   |
| <b>Housing</b>            |   |                    |                              |  |                                    |                  |
| 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 |

|     | <b>Actions</b>  | <b>Owner</b>           | <b>Measure of success</b>   | <b>Status</b>   | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----|---|------------------------|---|---|------------------------------------|------------------|
| 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)**

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

|                             | <b>Actions</b>  | <b>Owner</b>       | <b>Measure of success</b>  | <b>Status</b>  | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----------------------------|---|--------------------|--|--|------------------------------------|------------------|
| 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        |
| <b>Central House</b>        |   |                    |  |  |                                    |                  |
| E80                         | Consider fitting secondary glazing and under glaze sky lights where appropriate   | Corporate Landlord | Reduced consumption  | Minimal knowledge, needs feasibility                               | No                                 | Resources        |
| <b>Central House Annexe</b> |   |                    |  |  |                                    |                  |
| E81                         | Consider replacing or improving glazing   | Corporate Landlord | Reduced consumption  | Minimal knowledge, needs feasibility                               | No                                 | Resources        |
| <b>Town Hall</b>            |   |                    |  |  |                                    |                  |
| 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        |
| <b>Housing</b>              |   |                    |  |  |                                    |                  |
| 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<br>Reduction in energy use | Known government target but systems to deliver not yet established | No                                 | Health & Housing |



|     | <b>Actions</b>   | <b>Owner</b> | <b>Measure of success</b>   | <b>Status</b>  | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----|--|--------------|---|--|------------------------------------|------------------|
| 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<br>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      |
|----------------------|--|----------------------------|---|---|-----------------------------|----------------|
| <b>Council fleet</b> |  |                            |   |   |                             |                |
| 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 |
| <b>Utilities</b>     |  |                            |   |   |                             |                |
| 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      |

|    | <b>Actions</b>  | <b>Owner</b>           | <b>Measure of success</b>  | <b>Status</b>   | <b>Funding/Resources available</b> | <b>Portfolio</b>     |
|----|---|------------------------|--|---|------------------------------------|----------------------|
|    | <b>New build</b>  |                        |  |   |                                    |                      |
| 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                                |                      |
|    | <b>Influencing transport providers</b>  |                        |  |   |                                    |                      |
| 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<br>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)*

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

|     | <b>Actions</b>   | <b>Owner</b>          | <b>Measure of success</b>                            | <b>Status</b>  | <b>Funding/<br/>Resources<br/>available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b>         |
|-----|--|-----------------------|--|--|---|----------------|----------------|----------------|--------------------------|
| F10 | Review the corporate business travel policy for agile working  | HR                    | Policy is reviewed and recommendations produced      | Underway.<br>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           |

|     | <b>Actions</b>   | <b>Owner</b>          | <b>Measure of success</b>                                  | <b>Status</b>   | <b>Funding/<br/>Resources<br/>available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b>         |
|-----|--|-----------------------|--|---|---|----------------|----------------|----------------|--------------------------|
| F18 | Following survey, review cycling incentives currently in place and assess viability of recommendations | Transport Planning    | Cycling survey reviewed<br>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<br>Recommendations produced     | Already achievable/confirmed can proceed                | Yes   | March 2022     |                |                | Local Services           |
| F21 | Review current arrangement for Arriva travel club  | HR                    | Review complete<br>Recommendations produced                | Some knowledge of opportunity, has potential to deliver | Yes   |                | March 2023     |                | Resources                |
| F22 | Review Arriva travel ticket offers   | HR                    | Review complete<br>Recommendations produced                | Some knowledge of opportunity, has potential to deliver | Yes   |                | March 2023     |                | Resources                |

*LONG TERM ACTIONS (5+ YEARS)*

|     | <b>Actions</b>   | <b>Owner</b> | <b>Measure of success</b> | <b>Status</b>   | <b>Funding/Resources<br/>available</b> | <b>Portfolio</b> |
|-----|--|--------------|---------------------------|---|--|------------------|
| 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*

|    | <b>Actions</b>  | <b>Owner</b>                                   | <b>Measure of success</b>                   | <b>Status</b>                            | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|----|---|--|---|--|------------------------------------|------------------|
| 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)*

|    | <b>Owner</b>                                 | <b>Actions</b>  | <b>Measure of success</b> | <b>Status</b>   | <b>Funding/Resource s available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|----|--|---|---------------------------|---|-------------------------------------|----------------|----------------|----------------|------------------|
| 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                         | March 2022 |         |         | Resources |



|     | <b>Actions</b>  | <b>Owner</b>        | <b>Measure of success</b>  | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|---|---------------------|--|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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             |         | March 2023 |            | 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

|     | <b>Actions</b>  | <b>Owner</b> | <b>Measure of success</b>        | <b>Status</b>                        | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----|---|--------------|----------------------------------|--------------------------------------|------------------------------------|------------------|
| 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)

|     | <b>Actions</b>  | <b>Owner</b> | <b>Measure of success</b>                    | <b>Status</b>                        | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|---|--------------|--|--------------------------------------|------------------------------------|----------------|----------------|----------------|------------------|
| 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        |

|      | <b>Actions</b>   | <b>Owner</b> | <b>Measure of success</b>  | <b>Status</b>                        | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|------|--|--------------|--|--------------------------------------|------------------------------------|----------------|----------------|----------------|------------------|
| 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   |

|    | <b>Actions</b>  | <b>Owner</b>                                 | <b>Measure of success</b>   | <b>Status</b>                            | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|----|---|--|---|--|------------------------------------|------------------|
| 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)**

|    | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>         | <b>Status</b>                            | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|----|--|--|-----------------------------------|--|------------------------------------|----------------|----------------|----------------|------------------|
| 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          |

|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>                                    | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|--|--|--|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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<br>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          |

|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>                     | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|--|--|---|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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          |



|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>                                    | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|--|--|--|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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          |

|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>                   | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|--|--|---|---|------------------------------------|----------------|----------------|----------------|------------------|
|     | 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          |

|     | <b>Actions</b>  | <b>Owner</b>                                 | <b>Measure of success</b>               | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|---|--|---|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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          |

|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>                    | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|--|--|--|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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          |

|     | <b>Actions</b>  | <b>Owner</b>                                 | <b>Measure of success</b>  | <b>Status</b>   | <b>Funding/Resources available</b> | <b>2021/22</b> | <b>2022/23</b> | <b>2023/24</b> | <b>Portfolio</b> |
|-----|---|--|--|---|------------------------------------|----------------|----------------|----------------|------------------|
| 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          | March 2022     |                |                | 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)*

|     | <b>Actions</b>   | <b>Owner</b>                                 | <b>Measure of success</b>    | <b>Status</b>   | <b>Funding/Resources available</b> | <b>Portfolio</b> |
|-----|--|--|------------------------------|---|------------------------------------|------------------|
| 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*

|    | <b>Actions</b>                         | <b>Owner</b>        | <b>Measure of success</b>               | <b>Status</b>                            | <b>Funding/Resources available</b>                                 | <b>Portfolio</b> |
|----|--|---------------------|---|--|--|------------------|
| 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 |  |                  |