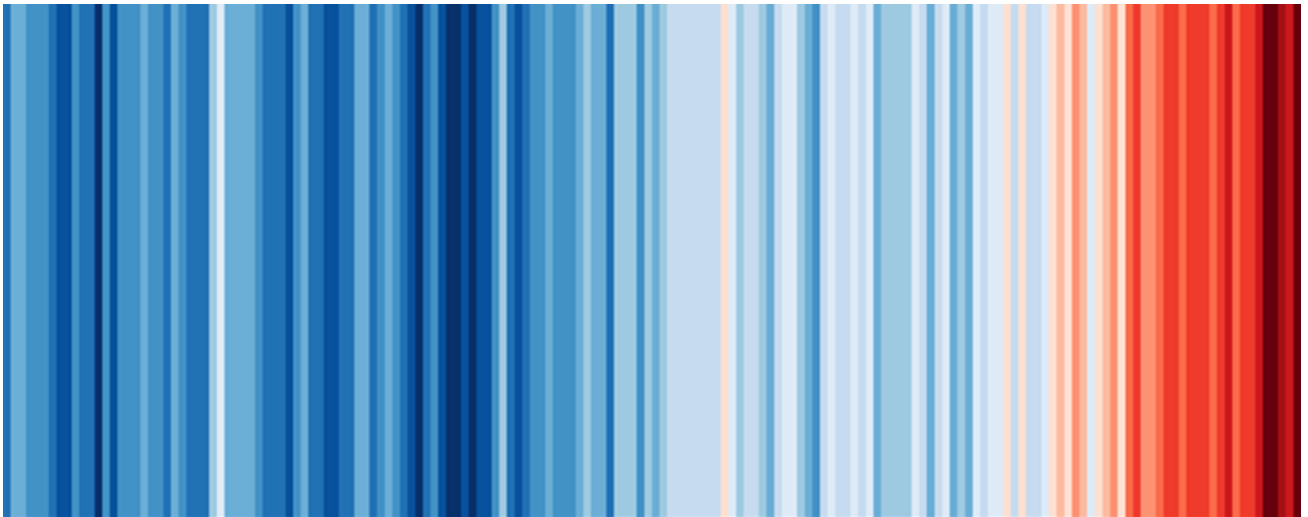# Newport City Council Organisational Climate Change Plan 2022-27 Annual Report 2022-23

This document is available in Welsh / Mae'r ddogfen hon ar gael yn Gymraeg

NEWPORT
CITY COUNCIL
CYNGOR DINAS
CASNEWYDD

Contents

1 FOREWORD

To be added

Councillor Jane Mudd
Leader of the Council

Councillor Yvonne Forsey
Cabinet Member for Climate
Change & Biodiversity

2 BACKGROUND

The Newport City Council Organisational Climate Change Plan runs from 2022-27. This is our annual report for 2022-23.

2.1 Ecological & Climate Emergency

In November 2021 the council declared an Ecological and Climate Emergency which specified that a clear Organisational Climate Change plan would be developed, in consultation with our citizens.

2.2 Climate Change Plan 2022-27

In March 2022, the council's Cabinet agreed our Organisational Climate Change Plan 2022-27 that sets out the themes, priorities, actions, and milestones that we need to take as a council over the next five years to:

- Reach net zero carbon as an organisation by 2030.
- Review the services we provide to ensure they support the city's journey to net zero and adaptation to climate change.

This is a key document for the council and will shape our council's climate change mitigation and adaptation journey over the next five years. An animation gives an overview of the plan.

2.3 How was the plan developed?

A Climate Change Pro Board was set up to lead on the development of the plan. Staff and managers from across the council were involved in writing of a consultation draft of the plan using the Route Map for Decarbonisation as a framework.

A public consultation took place in November and December 2021. All responses were reviewed, and the plan was amended accordingly.

2.4 Aims of the plan

The plan sets out the delivery themes, priorities, actions, and milestones that we need to take as a council over the next five years to:

> - *Reach net zero carbon as an organisation by 2030.*
>
> - *Review the services we provide to ensure they support the city's journey to net zero and adaptation to climate change.*

2.5 Key Delivery Themes

To deliver our plan six delivery themes were identified similar to the those in the Route Map for Decarbonisation.

The delivery themes are:

Theme 1				
Organisational Culture & Leadership				
Theme 2	Theme 3	Theme 4	Theme 5	Theme 6
Our Buildings	Our Land	Transport & Mobility	The Good & Services we Procure	Our Wider Role

The delivery themes are all interdependent and have interconnected and overlapping relationships, with Theme 1 as an overarching theme.

2.6 Delivery of the Plan

Six subgroups were set up to manage delivery of projects relating to the Plan. Each group is chaired by a Strategic Director or Head of Service and attended by relevant officers across a range of service areas. The sub-groups meet every 3 months to discuss progress against the action plan for their theme and to share updates and best practice.

A Climate Change Programme Board was also set up, chaired by the Strategic Director for Environment and Sustainability and attended by the Chairs of the six themes, plus representation from our Public Relations team. The Board advise on strategic issues relating to climate change policy within the Council and provide performance management for the action plans for the six themes.

Progress against the Year 1 action plans for each of the six themes can be found as an appendix to this report.

3 DEVELOPMENT OF YEAR 2 ACTION PLANS

It was important to us to refresh and amend the action plans for Year 2 of the Plan for a number of reasons. Firstly, the development of the Newport Local Area Energy Plan (LAEP) (a Newport-wide plan) provided a much clearer distinction between actions which would support our decarbonisation as an organisation, which would fall under the Organisational Plan, and actions which would support the decarbonisation of the wider city, which would fall under the LAEP. Secondly, we identified that the core of the Plan needed to shift from a focus on actions which supported general awareness-raising and development of processes and policies that would support our organisational decarbonisation to a focus on specific projects that would have a measurable impact on our emissions.   Thirdly, there was an appreciation that the Year 2 Action Plans were an opportunity to rationalise and streamline the actions to improve performance reporting, particularly in light of the move to MiHub for reporting.

We have also taken the opportunity to review some of the priorities associated with each theme, with some being removed (especially those which have a strong overlap with the LAEP), some being added and some being amended in light of our experience of delivering the Year 1 Action Plans.

The Wider Role theme was particularly impacted by the changes brought about as a result of the development of the LAEP. As can be seen in Appendix A, the majority of the priority areas within this theme have either been moved to other themes (as in the case of Flooding, which has now moved to the Land theme as it was thought that there was greater potential for collaboration with this group) or removed entirely (for example in the case of Placemaking and Building Control which will now be considered under the LAEP).

The Climate Change Programme Board have also recommended the removal of Action Plans from the Organisational Plan. The Year 2 Action Plans will still be made publicly available, but removing them from the body of the Plan itself means that the Plan does not need to be amended on an annual basis.

Year 2 Action Plans for the six themes can be found as an appendix to this report.

4   PERFORMANCE

While more detailed information on the different actions as part of 22/23 Action Plan has been included in Appendix 1, this section provides an overview of the progress made for each delivery theme, including specific examples and projects to highlight the work carried out during the past year, and the main priority areas to work on during 23/24.

Key:

Colour[1]	Description
	Progress against the theme / priority on track vs expectations (no issues)
	Progress against the theme / priority has been made but some aspects behind schedule
	Progress against the theme / priority has yet to be made, is severely behind where expected in all or most areas. The project is at risk.

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[1] Thresholds to clearly define the progress against each theme / priority will be included within the next annual report.

4.1 Theme 1: Organisational Culture & Leadership

2030 Vision	*The climate and nature emergency will be at the heart of all our work. In our decisions we will take positive action to minimise climate and ecological impacts. We will lead by example and empower our partners, communities, and individuals to tackle the climate emergency and prioritise nature-based solutions*	A
Priorities	**Behaviours & Role-Modelling:** Our elected members and workforce will be encouraged and supported to consider their individual contribution to becoming net zero carbon by 2030, and leaders will role model the council's expectations.	A
	Governance & Performance: Our democratic and corporate functions will be committed to becoming net zero carbon by 2030, and our decision-making, governance framework and performance monitoring will reflect this commitment.	A
	Promotion & Engagement: Regularly publicise progress and achievements to embed aspirations to be net zero carbon by 2030.	A
	Financial Commitment: To plan for the financial impacts of climate change, and to ensure that our medium to long term financial planning contributes to the delivery of the council's commitment to reduce carbon emissions where possible	A

Progress against this theme has generally been good, but there are a few key actions that have not yet been completed (changes to report template, improvements to internal and external communications and confirmation of the funding model for energy efficiency projects) that mean that overall progress against the theme is Amber. However, as can be seen from the specific examples below, excellent progress has been made on training, the corporate plan and the staff network, along with a more general improvement in the visibility of Climate Change considerations within the Council as a whole.

4.1.1 Projects update
A. Cabinet Member

In May 2022, following Local Government elections, the new Cabinet was announced, with Councillor Yvonne Forsey being appointed as Cabinet Member for Climate Change and Bio-diversity. This is the first time that Newport has appointed a Cabinet Member with this specific portfolio and is a strong indicator of the seriousness with which the Administration views Climate Change and the role of the Council in responding to it. The Cabinet Member has been a key advocate for Climate Change policy

across the Council and her representation at Cabinet level has been crucial in ensuring that Climate Change is properly represented in the decision-making process.

B. Carbon Literacy Training and Accreditation
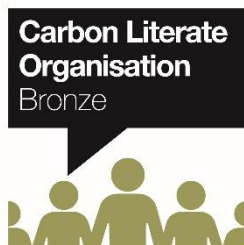
Carbon literacy training provides an awareness of the carbon dioxide costs and impacts of everyday activities and the knowledge to enable the reduction of emissions as an individual, community and organisational basis.

Over the past year, the Leader, Chief Executive and all Cabinet Members, Strategic Directors and Heads of Service have undertaken Carbon Literacy training as well as over half of our elected Members.

We are delighted to have been awarded Bronze Accreditation Status by the Carbon Literacy Project and are planning to work towards Silver Accreditation status, which will require a much wider rollout of the training across the organisation. To support this, colleagues in our Adult Learning Team have been trained in how to deliver the sessions, which will allow us to provide training at a much lower cost, as well as to be able to support community organisations who wish to complete the training.

C.   Corporate Plan

Following the local elections in May 2022, the Council undertook extensive work to develop its new Corporate Plan for the next 5 years. In the development of the Corporate Plan we engaged with officers through a series of workshops to understand our priorities and the priorities of our citizens and businesses over the next 10 to 20 years. Across the five workshops the environmental, ecological opportunities and risks were considered and how they will impact on the delivery of our services and citizens in the city. Additionally, through the development of the Climate Change plan, we were also able to integrate the engagement and development work of the Climate Change Plan.

Through this work, the Corporate Plan integrated the priorities of its Climate Change Plan, specifically within Well-being Objective 2 Environment and Infrastructure of the city and Well-being Objective 4 an Inclusive, fair and sustainable Council. Within these objectives we have several strategic priorities focused on our external work to enhance and protect Newport's ecological environment and internal work for Newport Council to meet its Climate Change target to be net zero carbon by 2030. All of this work is aligned to the Welsh Government's policy and the Well-being of Future Generations Act goals. Further information on the Corporate Plan can be found here.

D. Staff Network

One of the key actions in the Organisational Culture and Leadership theme was to set up a Climate Change Staff Network to encourage staff members from across all service areas to contribute to the development of Climate Change policy and practice and to provide a forum for interested individuals to pursue projects outside of their day to day roles.

The Network first met in January 2023 and has appointed a Chair and Vice Chairs. The Network has already developed and launched a staff Travel Survey which will provide vitally important data to support the decarbonisation of our staff commuting and business travel.

4.1.2 Next Steps

The main priorities for this theme over the next 12 months are:

- Update reporting and finance templates to encourage and promote inclusion of climate change/decarbonisation as a factor in decision-making
- Embed carbon literacy/climate change in training provision for all staff, including provision of mandatory training/e-learning
- Development of internal and external communications plan for Climate Change to ensure that we are communicating with and engaging staff and the general public

4.2 Theme 2: Our Buildings

2030 Vision	*To achieve net zero carbon energy and support the nature recovery across our buildings by 2030*	A
Priorities	**New Council Buildings:** All new building to be net zero carbon.	A
	Building Retrofitting: Deep retrofit to ensure creating net zero carbon energy buildings.	A
	Renewable Heat: Implementation of renewable heat in new buildings.	A
	Natural Gas: A commitment to significantly reduce or remove natural gas heating across our buildings.	A
	Building Rationalisation: Audit current assets to understand their long-term carbon impact with the aim of better strategic utilisation.	A

Decarbonising our buildings remains one of the biggest issues in reducing our organisational emissions. Good initial progress has been made in this area but the funding challenges are considerable and the age and diversity of our estate means that decarbonising heat is a particular issue as the level of retrofitting that would be required at some sites to make them suitable for the deployment of Air Source Heat Pumps is extensive. The energy crisis has also had a huge impact in this area as it has dramatically altered the business cases for the deployment of Air Source Heat Pumps. However, the Council has made investments in staff resource in this area, with the Carbon

Reduction team going from 2.2 FTE at the beginning of the year to 5.2 now, which will allow the team to support more projects over the coming year.

4.2.1 Projects update

A. Egni Solar Co-op

Egni Co-op develops rooftop solar energy in Wales and has over 4.5MWp of capacity on 88 sites, including schools, community buildings and businesses and also provide an educational outreach for schools. They have previously provided, and continue to provide maintenance support, for a number of sites across Newport, including Bassaleg Comprehensive School, Caerleon Comprehensive School, Eveswell Primary School, Maesglas Recycling Centre and the Geraint Thomas Velodrome. This year they have installed the following across our estate:

- Ysgol Gymraeg Bro Teyrnon - 35kWp
- Alway Primary School - 55kWp
- Llanmartin Primary School - 56kWp
- St Julian's Primary School (Extension) - 30kWp

This has taken the total number of NCC buildings with solar PV installed up to 39.

Egni Cooperative also facilitate the programme, *We are Energy Warriors*, at 5 NCC schools. The project engages pupils in climate change & energy reduction learning. Through a series of bilingual workshops, they are empowered to take action to reduce energy consumption. Partnered with Energy Sparks, schools are able to analyse and investigate their energy and solar data through this educational platform and take part in additional activities to become explorers, analysts, detectives and changemakers!

B. Asset Rationalisation Programme

The asset rationalisation programme aims to optimise the use of the Council estate, release capital receipts from surplus assets and make best use of limited maintenance budgets. This is supported by commitments within the Corporate Plan and Council's Climate Change Plan.

As part of this work, the project board has developed a set of principles to support the decisions within this programme, and for our ongoing asset management plan. These principles also set out the core objectives for the programme within the new Strategic Asset Management Plan 2023-*2027* and will include:

The Strategic Asset Management Plan places social value, fairness and sustainability at its core:

- ➢ NCC Assets should be fit for purpose, in the right location, occupied by the right services and being delivered by the right teams

- ➢ We must understand the needs of our communities; through consultation and engagement to understand where we might need assets in the future

- ➢ We will be a data and intelligence driven organisation, which will be an underpinning driver for any asset rationalisation proposals. We must adopt clarity and consistency in approach supported by robust data.

➢ Retained assets must run as effectively and efficiently as possible, with appropriate budgets assigned, working with our partners and meeting the requirements of the Council's Climate Change Plan.

➢ NCC future asset liabilities must be safeguarded when disposing of assets and decisions will consider social value e.g. through Community Asset Transfer (CAT), lease etc.

C. LED Lighting

Over the course of 2022/2023, Newport City Council's Carbon Reduction Team worked with Newport Norse to implement LED Lighting upgrades across 8 sites, including 4 secondary schools and 4 primary schools, with combined projected annual carbon savings of 125.4 tonnes CO_2e. This is the equivalent to circa 3% of the total carbon emissions associated with NCC's electricity emissions from Buildings.

These schemes were implemented to save revenue, reduce carbon in support of the council's climate change commitments, reduce the running and maintenance costs associated with site lighting, reduce electrical loading on site, and improve the quality and user experience of the schools.

The projects were instigated by the Carbon Reduction Team and were developed in conjunction with Newport Norse. The installations were delivered by Newport Norse and their trusted contractors.

1. Caerleon Comprehensive and Regional Pool and Tennis Centre Air Source Heat Pumps

Following on from low carbon heat installations in 2021/2022, NCC secured a further £510,000 of Low Carbon Heat Grant funding, to retrofit air source heat pumps to existing sites to reduce gas usage and therefore carbon emissions.

2. Low Carbon Heat Designs

12 sites had low carbon heat designs undertaken on them in anticipation of Welsh Government Grant applications in 2023/2024.

3. Refit

Commencement of a £2 million pound REfit Programme, delivering decarbonisation measures across 14 sites, due for completion at the end of 2023/2024.

4.2.2 Next Steps

The main priorities for this theme over the next 12 months are:

- Asset Rationalisation Programme – support the work of the Asset Rationalisation Programme Board to ensure that decarbonisation is part of the decision-making process when determining the future use of the estate
- Produce a cost estimate for decarbonisation of the estate
- Deploy the New Buildings Policy to identify minimum standards for new builds
- Draft and adopt an operational energy policy to support energy efficiency

4.2. Theme 3: Our Land

2030 Vision	*A city which sustainably manages and increases its natural resources, protecting, enhancing, improving and connecting the natural environment in a carbon neutral and climate and ecological responsible manner*	**G**
Priorities	**Ecosystem Resilience:** Sustainably restore, create and connect biodiversity and habitats by improving council owned land and public realm.	**A**
	Trees & Woodland: Improve human health, environmental quality, carbon reduction and capture by sustainably managing and increasing Newport's trees and woodland.	**G**
	Urban Greenspace: Increase green infrastructure in the urban/public realm to reduce environmental inequalities, for the multiple benefits of nature's recovery, human health and wellbeing, climate adaptation, cooling and flood alleviation, providing carbon reduction and clean air.	**G**
	Council Owned Leased Land: Support the nature recovery whilst reducing carbon emissions from council owned farmland and any other leased land.	**A**

There has been very positive progress in this theme, with tree planting and the development of Green Infrastructure two notable successes, as can be seen in the case studies below. Moving forward, we are looking to take a much more strategic approach to the development of our land assets, supported by the Asset Rationalisation Programme (see above) and the key action referenced below, the Climate Change Audit to assess the potential of our land for developments such as tree planting, solar farms, flood defences, Green Instructure, etc.

4.3.2. Projects update

A. Tree City of the World

Newport Council has received Tree City of the World status, a programme run by the Arbor Day Foundation and the Food and Agricultural Organisation (FAO) of the United Nations.

The programme is an international effort to recognise cities and towns committed to ensuring that their urban forests and trees are properly maintained, sustainably managed, and duly celebrated.

The council was recognised for its management of the city's tree stock. This includes having policies in place for maintaining trees, as well as its work managing the impact of ash dieback disease, which has impacted trees at a number of sites in the city.

The council was also recognised for its green canopy planting ceremonies back in March 2022. All schools in the city were invited to plant a tree as part of the platinum jubilee celebrations for Queen Elizabeth II, with special ceremonies taking place at five schools.

An avenue of trees was also planted in Tredegar Park, with 80 trees being installed alongside the active travel route which runs through the park.

B. Bee Friendly Newport – Nature Isn't Neat

Newport is an official Bee Friendly City accredited by Welsh Government. Over the last 4 years Newport City Council has made significant changes to how it manages it's roadside verges, grasslands and green spaces. Increasing the area managed for biodiversity year on year. Supported by Welsh Goverments Local Places for Nature Grant and taking part in initiatives such as No Mow May and Nature isn't Neat. Nature isn't Neat is a Gwent Green Grid project that aims to raise awareness about the importance of pollinators across the Greater Gwent Authorities, the actions that we can all take to support them, and how these can have a positive impact on other important issues such as reducing the decline in other wildlife and mitigating the impacts of climate change. Newport City Council currently manages 45 hectares of grassland for biodiversity including locations such as High Cross Open Space, Allt-yr-yn Local Nature Reserve and 19 Hills Ringland, and approximately 30 Hectares of other grassland such as road side verges and small green spaces in residential areas.

C. Green Infrastructure

Following a number of pilot projects last year to develop Green Infrastructure (GI) projects across the City, including the commissioning of an assessment into suitable locations for GI within the City Centre, Newport Council were successful in a bid, in collaboration with Natural Resources Wales, from the Welsh Government Asset Collaboration Fund for detailed designs for four developments taken from the City Centre Green Infrastructure (GI) feasibility study - Charles Street, Hill Street, George Street Bridge Approach West CC10 and Riverside Walkway, with Riverside Walkway being developed currently.

Greening and installing enhanced planting have multiple benefits, including benefits to a sustainable economy. Green Infrastructure increases biodiversity, provides benefits to people's health and wellbeing, helps cool the city alleviating heat island effect, and makes the city more visually appealing attracting more people to city centre businesses.

D. Newport Otter Project

Funded by the Gwent Green Grid, we have been working with a local Otter expert to enhance and protect otters along a stretch of one of our rivers (protected location). Under the guidance of NRW and our expert we sured up the banks with the addition of whips and trees, and selected 2 locations to build otter holts. Rather than plastic or concrete holts available to purchase, wood from recently felled trees was used in the form of hollow logs as this would be a good solid structure almost prefabricated by nature. Once built, the holts were hidden, and further work took place to secure the area and protect from disturbance by walkers and dogs.

4.2.3 Next Steps

The main priorities for this theme over the next 12 months are:

- Climate Change audit for our land portfolio – identifying suitability of all of our land assets for solar PV, tree planting, flood prevention, rewilding, etc.
- Plant 5,000 trees
- Green infrastructure – improvements to city centre through introduction of green infrastructure at five locations
- Pocket parks – development of three pocket park sites
- Development of Sustainable Urban Drainage (SUDS) Strategy

4.4 Theme 4: Transport & Mobility

2030 Vision	*A city with healthy and sustainable travel choices for the people*	**A**
Priorities	Council Emissions 1. **Business (Grey) Mileage & Staff Commuting:** Reduce carbon emissions from employee commuting and grey mileage by implementing a policy of agile working, active travel and usage of public transport and ultra-low emissions vehicles (ULEVs). 2. **Fleet:** Reduce council carbon emissions by moving to a ULEV fleet.	**A**
	Wider Role 1. **Transport Network:** Managing the transport network to enable people to travel in a more sustainable way. RAG (Green) 2. **Land Use Planning & Placemaking:** Ensure sustainable transport options are available from the outset in all new developments, including walking, cycling, public transport and electric charging infrastructure. RAG (Amber) 3. **Active Travel:** Reduce carbon emission by prioritising active travel across the city. RAG (Amber) 4. **Public Transport:** Encourage the use of public transport instead of car usage. RAG (Green) 5. Charging Point Infrastructure: Increase charging capacity across the city. RAG (Green) 6. Schools: Reduce carbon emissions from home to school travel. (Amber) 7. Taxis: Implement policies to support the move to a low emission taxi fleet. (Red)	**A**

Progress in the Transport theme has been good but, as with the Buildings theme, the biggest challenges lie ahead, both from an organisational perspective (most of the 'low hanging fruit' for fleet electrification has already been dealt with, leaving the more complex and/or costly replacements) and for the City as a whole which will be dealt with through the LAEP (the infrastructure and behaviour change projects required to reduce emissions in a meaningful way). The development of EV charging infrastructure has been a particular success story this year, with further funding having been made available to us from Welsh Government for the next two years.

4.4.1 Projects update

A. Plant & Fleet Vehicles

Currently, NCC own 48 cars and vans, of which 30 are fully electric (62.5%). Additionally we hire 31 cars and vans, 100% of which are fully electric.

B. Active Travel

Through the Welsh Government's Active Travel Fund a number of new active travel projects have been delivered to increase the availability of good quality cycling and walking routes across the city area.

Project delivery has been focussed on areas where demand for intervention is demonstrated through public consultation. This often emphasises the lack to good quality provision for walking and cycling

away from busy roads and junction crossings. This demand supported by the results of previous active travel network consultations shows the potential to address the issues through the provision of routes through parks and open spaces. This approach improves the sense of safety, creates a more pleasant environment for the user and can also provide more direct routes when compared with on-road alternatives.

The new **Devon Place bridge** provides much improved connectivity for both pedestrians and cyclist moving between the north and south of the city centre. The connecting route between the two destinations was previously served by an underpass which is unfit for purpose. The bridge connects the Gold Tops and Queens Hill area to the city centre without the need to use the underpass. The bridge opened this year and has been built to active travel standards, enabling easy use for wheelchair users, cyclists and walkers. The scheme also includes improved paving around the transport hub and incorporates sustainable drainage features that capture rainwater and divert it to the newly installed planters.

Surface improvement taking place at **Malpas & Bettws Canal** to bring this route up to active travel standard along the section of the canal between Gwastad Gate and the boundary with Torfaen have been completed.

Lighting and benches were installed along the **Gaer Fort** route completing this project.

After several rounds of public consultation, the Active Travel Network maps review has been completed and the updated map of active travel routes (both existing and proposed routes) and final report have been approved by Welsh Government. The map routes within in it will be used to plan future active travel developments over the next five years and funding has been applied for based on these plans for projects to be delivered in 2023/24.

C. Solar Farm at Docksway Household Waste Centre

A feasibility study has been completed for a 1.5MW solar array at Docksway household waste centre. A connection has been agreed with Western Power Distribution and planning approval is in progress. When built, this array will provide power for the charging hub at Docksway which charges our fleet of electric refuse vehicles.

D. Charging Points

Our draft EV Charging Strategy is currently out for public consultation and will be published in the coming months. On-street residential fast chargers went live at nine locations across Newport last year targeting areas with low availability of off-street parking. A further 12 chargers have been installed in community car parks for visitor and residential use with the support of Cardiff Capital Region. 13 additional Council sites have been EV charging enabled. Finally, we successfully bid for Welsh Government funding to deliver a further 15 on-street chargers as well as charging hubs at Kingsway Car Park and Newport International Sports Village in 2023/24.

E. Public Transport

During the last 12 months Newport City Council has continued to support the transition to more sustainable modes of travel and reduce the impact of transport on the climate.

The provision of high quality bus stop infrastructure is vital to attract potential users. Following a successful Local Transport Grant Bid to Welsh Government, a further 30 shelters have been procured, including 11 bee friendly shelters. We have also procured 60 Electronic Timetable displays, which are due to be installed shortly. In accordance with our policy to utilise renewable energy sources where possible, the shelters and electronic displays are solar powered.

In addition, Newport City Council launched its £6.3m Electric Bus Grant funding scheme with support from Welsh Government. The scheme provide support for operators to increase electric bus use in the city. Whilst funding is targeted at bus routes that enter Air Quality Management Areas, there is a significant benefit to wider climate change with the use of vehicles with zero tail pipe emissions.

We continue to work with partners including Welsh Government and the Burns Delivery Unit to develop the infrastructure required to achieve modal shift to active travel and public transport. Public consultation was undertaken on proposals for the A48 / NCN 88 corridor and City Centre provision at Old Green and the Railway Station. The results of these exercises will be inform design proposals.

4.4.2 Next Steps

The main priorities for this theme over the next 12 months are:

- Delivery of EV charging projects supported by Welsh Government funding – 15 on street chargers and rapid hubs at Kingsway Car Park and Newport International Sports Village
- Produce fleet replacement plan and cost of transition to fully ULEV fleet, including specialist vehicles such as refuse vehicles and road sweepers
- Implement fleet charging at Civic Centre
- Develop and implement sustainable travel plans for key Council sites, including schools

4.5 Theme 5: The Goods & Services we Procure

2030 Vision	*Sustainable procurement will be at the heart of ensuring that our external contracting minimises the climate and nature impact and also the carbon footprint of goods, works and services procured*	A
Priorities	**Measurement:** Gain a good understanding of our estimated tCO_2e per annum from procured goods and services, and its emissions profile and supplier base.	A
	Guidance, Tools and Training: Develop guidance, tools and training for the organisation to support staff to reduction of carbon throughout the procurement lifecycle.	G
	Partnership: Lead by example and work with our procurement strategic partners both public and private to align climate change, carbon reduction and circular economy aspirations.	G
	Engagement: Incentivise suppliers through proportionate evaluation criteria to proactively seek opportunities to reduce carbon and climate impacts.	A

The introduction of specific carbon-reduction criteria into Gateway Level 4 procurement was a major success for this theme, and the research project which began at the end of 2022/23 and which continues into 2023/24 will provide us with invaluable insight into the nature and true extent of our procurement emissions rather than just relying on the Welsh Government model of

calculating emissions which is not always accurate (the categories used to differentiate suppliers are based on average emissions which may not reflect the position of a particular organisation and if suppliers are incorrectly coded in our system then the wrong average values will be used, for example). A greater focus on our procurement emissions also gives us the opportunity for better engagement on decarbonisation with our supply chain. Nearly 70% of our suppliers are local organisations with the Cardiff Capital Region (29.21% within Newport), so any decarbonisation that they undertake will also have a beneficial effect for our local emissions.

4.5.2 Projects updates

A. *Changes to Procurement for Gateway Level 4.*

The main change undertaken in 2022/23 was the requirement for all procurements above £175k (Gateway Process 4) to consider climate change and implement carbon reduction measures. Strategic Directors and the Gateway Board now have the responsibility to approve large-value contracts exceeding £175k. This process was implemented to reduce the climate impact of our contracts. To support this, the Carbon Reduction Team will collaborate with Senior Responsible Officers (SROs) across all service areas and procurement colleagues to review and propose measures for modifying specifications and implementing necessary actions by suppliers throughout the contract duration, with emissions reduction as the primary focus. The Carbon-focused section of the Procurement Board Gateway Form will undergo review and approval by the Carbon Reduction Team before submission for Board approval, ensuring thorough consideration of all possible scenarios.

B. *Procurement Research Project*

As procurement represented 51% of our carbon emissions in 2021/22, we were keen to understand more about where these emissions come from and how we can support our supply chain to decarbonise.

Initially, we identified organisations with the highest annual expenditure (41 organisations represent 50% of our annual expenditure) and initiated direct communication with them. Targets were set to inquire about their Carbon Reduction Plans and request emissions data. Large corporations responded promptly and cooperatively, providing valuable information.

Challenges arose when extending outreach to suppliers further down the supply chain. Many lacked carbon reporting experience and were uncertain about expectations. Addressing this provided an opportunity for education and support. We developed a user-friendly emissions reporting toolkit to simplifying the process and accommodate diverse needs. The toolkit was rolled out at the end of 2022/23 and will continue to be refined, ensuring its relevance and up-to-date functionality.

The toolkit includes sections for gathering general information about each organisation, such as services provided and annual turnover. To avoid duplication, organisations are asked for data specific to contracts with us. For those already reporting emissions, a request is made to input Scope 1, 2, and 3 data. Assistance is provided to those not currently reporting. A separate section

captures consumption data (gas, electricity, fuel) with options for annual or monthly reporting. The spreadsheet includes carbon factors to calculate supplier emissions accurately. We have found that the emissions data we receive from our suppliers is significantly lower when compared to the spend-based methods that were previously employed.

4.4.2. Next Steps

The main priorities for this theme over the next 12 months are:

- Continue working with our suppliers to gain accurate data on their emissions and continue to find ways to support them to reduce this
- Extend Gateway Level 4 processes into all Gateway Level 3 procurement
- Focus on Social Services procurement as this represents a high proportion of our annual spend

4.6. Theme 6: Our Wider Role

2030 Vision	*Leading by example and proactively supporting our communities and partners towards society wide action for nature and climate recovery*	G
Priorities	**Placemaking & Building Control:** Reduce carbon emissions and support nature recovery by focusing on sustainable, low carbon development, influencing low carbon energy and building resilient communities.	G
	Energy: Identify and implement the changes needed to the local energy system to decarbonise heat, electricity and local transport and realises local renewable energy production.	G
	Flooding: Build climate resilience and alleviate flooding across the city using a range of measures including natural flood defences.	A
	Waste: Reduce carbon emissions from managing waste to become a zero-waste city and nation by 2050.	G
	Digital: Utilise digital solutions effectively to reduce and monitor carbon emissions.	A
	Partnerships & Communities: Work collaboratively with partners and communities to promote the climate and nature recovery across the city.	A

Progress in this area has been generally positive, with the work being undertaken on the Replacement Local Development Plan the area which has the potential to have the biggest impact on our city-wide emissions. The development of the Local Area Energy Plan is also a substantial achievement for this year, although it is not included as a case study below as it has already been discussed above.

4.6.2 Projects Update

A. *Replacement Local Development Plan*

Work is currently underway on Newport's Replacement Local Development Plan (RLDP). A Local Development Plan shows how land should be used and development should take place in an area over a specified time period. Once a plan is adopted, it informs all planning decisions in an area. The current Local Development Plan was adopted in 2015. It sets out how new development will be managed and land will be used in Newport until 2026.

This plan is reviewed every year. In 2020, it was agreed that a new replacement plan should be prepared. The Climate Change Team have been working with the Planning Policy Team to ensure appropriate representation of Climate Change considerations, including no gas in new developments, biodiversity requirements and prioritisation of renewable energy.

B. *Clean Air Day*

Newport City Councils Senior Scientific Officer Steve Manning organises an event each year in association with the national Clean Air Day initiative promoted by Global Action Planning. This year schoolchildren were invited to participate in a guided environmental walk which focussed on air quality, environmental noise, and biodiversity. The children were provided with monitoring equipment and paper materials to enable them to investigate their local environment in its roadside setting and open space setting via a new stretch of active travel route. (see video below)

https://youtu.be/Hlx0YCKUbCc.

Manufacturers of monitoring instruments and council EVs were also showcased at the event start coupled with the Council Leader endorsing the event and a valuable contribution also being made by Welsh Governments Clean Air Champion Professor Paul Lewis. Clean Air Day is part of a wider range of work that Steve delivers throughout the year which includes annual reporting on air quality monitoring and action planning.

C. *Waste*

The council is continuing its work to meet Welsh Government zero waste targets by 2050. In 2021-22 the council once again surpassed its target for municipal waste reused, recycled and composted achieving 65.17%.

A proposal to move to 3 weekly collections during 23/24 was approved in February. This is expected to increase recycling by limiting residual waste capacity and we are targeting a rate of 70% for this year.

In addition, 7 out of our fleet of 16 refuse vehicles are now fully electric.

D. Shared Prosperity Fund

Funding has been approved for two carbon reduction projects through the Shared Prosperity Fund (SPF). One of these will provide funding over two years to support the decarbonisation of buildings used by the community. In addition, we have also secured funding to provide Green Skills training, e.g. installation of Air Source Heat Pumps.

4.6.2. Next Steps

The main priorities for this theme over the next 12 months are:

- Further improvements to waste collection provision to increase recycling rate to 70%
- Implement The Environmental Protection (Single-use Plastic Products) (Wales) Bill to remove single use plastics from our estate and work to remove single use plastics from our supply chain

5. ANNUAL CARBON REPORTING

Welsh Government published guidance (May 2021) to public sector organisations to enable a consistent approach across Wales for reporting on their organisational carbon emissions. The reporting methodology considers all emissions associated with activities performed by local authorities including fuel, energy, water consumption, waste disposal, employee commuting, business travel and land use.

Figures for 22/23 have been included in the summary table below, with further analysis being provided for each of the delivery themes in the sections below.

	2019/2020	2020/2021	2021/2022	2022/2023
Overarching				
Total tCO2e	82,005	89,943	78,901	61,246
Our Buildings				
Total building tCO2e	15,231	11,404	12,787	11,525
Total fuel tCO2e	8,575	7,455	7,901	7,120
Total electricity tCO2	6,619	3,911	4,832	4,368
Total heat & steam tCO2e	37	37	55	38
Total water tCO2e	136	101	44	21
Our Land				
Total tCO2e from land assets	-1,041	-1,041	-829	-950
Transport & Mobility				
Total transport & mobility tCO2e	5,603	2,280	4,844	4,808
Total fleet tCO2	2,184	2,066	2,298	1,979
Total business travel tCO2	299	58	143	212
Total employee commuting tCO2e	3,120	156	2,403	2,617
The Goods & Services we Procure				
Total tCO2e	55,168	56,190	40,231	25,550
Our Wider Role				
Total waste tCO2e	6,908	21,009	20,279	18,576
Homeworking	n/a	n/a	1,545	1,715

5.1 Organisational Culture and Leadership

	2019/2020	2020/2021	2021/2022	2022/2023
Total tCO2e	82,005	89,943	78,901	61,246

Total tCO2e
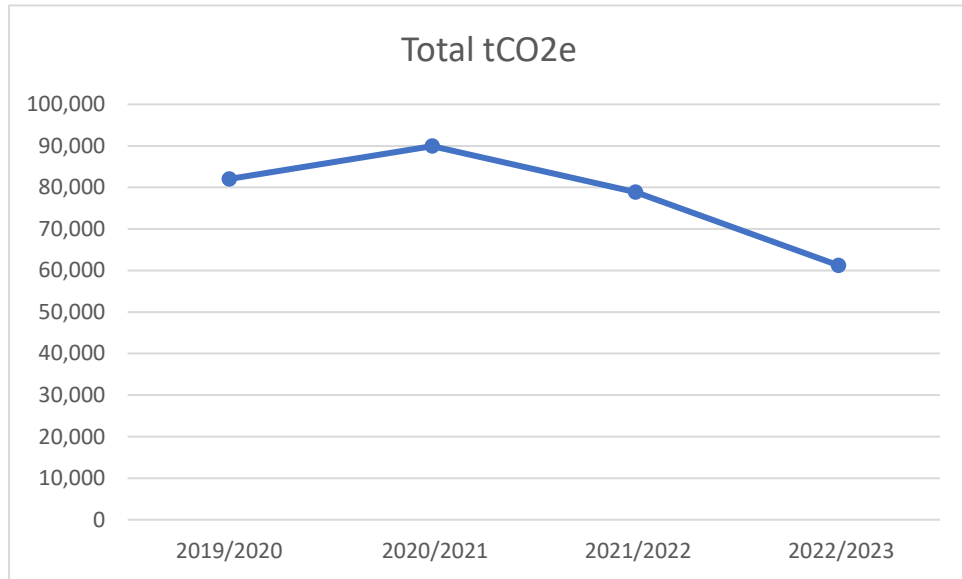
In this area, there is a reduction of 17,655 tons annual from 21/22 to 22/23. Whilst carbon savings have been made through the variety of ongoing work and initiatives, the majority of this change is attributable to changes in our procurement figures, resulting from changes in the way that Welsh Government attributes supplier emissions. Using the previous reporting methodology, the emissions for 2022 / 23 calculate out to 78,036 tons.

5.2 Our Buildings

	2019/2020	2020/2021	2021/2022	2022/2023
Total building tCO2e	15,231	11,404	12,787	11,525
Total fuel tCO2e	8,575	7,455	7,901	7,120
Total electricity tCO2	6,619	3,911	4,832	4,368
Total heat & steam tCO2e	37	37	55	38
Total water tCO2e	136	101	44	21
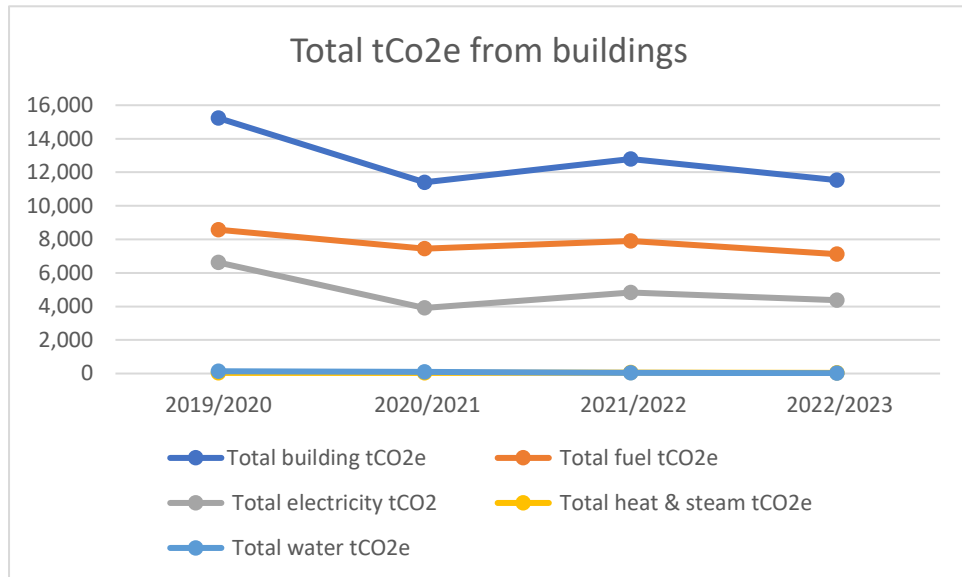
5.3 Our Land

	2019/2020	2020/2021	2021/2022	2022/2023
Total tCO2e from land assets	-1,041	-1,041	-829	-950

Total tCO2e from land assets

	2019/2020	2020/2021	2021/2022	2022/2023
0				
-200				
-400				
-600				
-800				
-1,000				
-1,200				
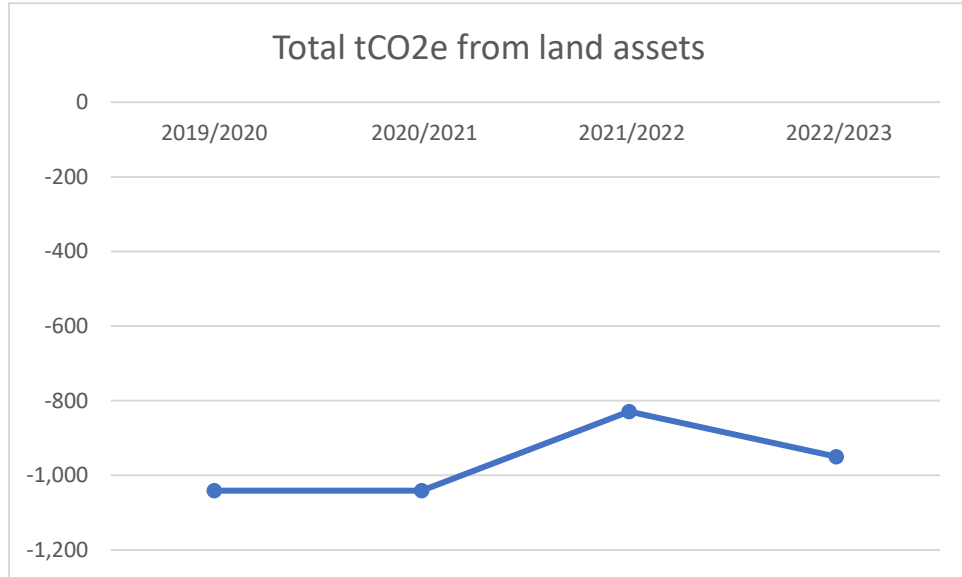
5.4 Transport and Mobility

|	2019/2020	2020/2021	2021/2022	2022/2023
Total transport & mobility tCO2e	5,603	2,280	4,844	4,808
Total fleet tCO2	2,184	2,066	2,298	1,979
Total business travel tCO2	299	58	143	212
Total employee commuting tCO2e	3,120	156	2,403	2,617
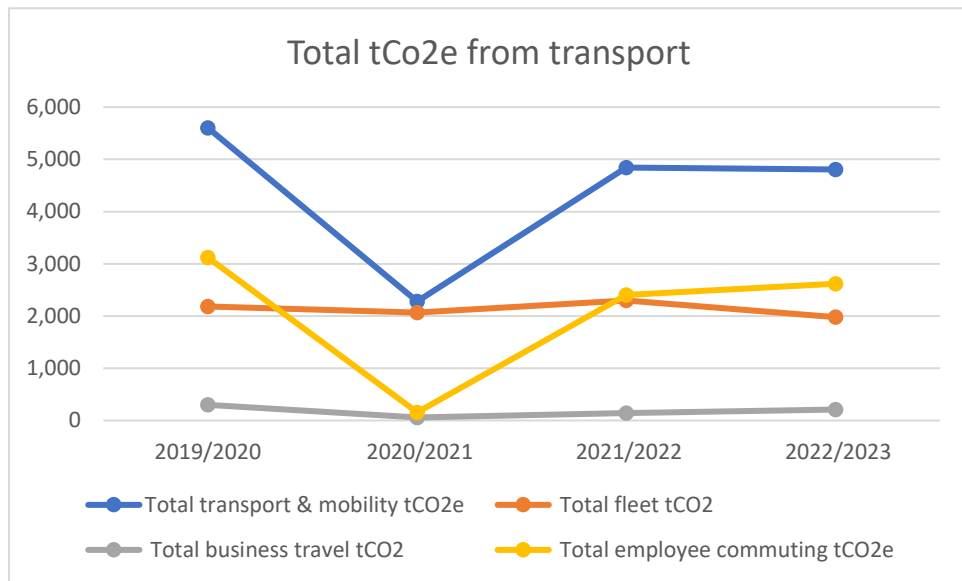
5.5   The Goods and Services we Procure

The large reduction seen in this year's figures is due to changes in the way that Welsh Government calculate supply chain emissions (Emissions Factors). This is primarily due to WG having made changes to their carbon factors based on Department for Energy Security and Net Zero research which shows a large reduction in the amount of CO2 due to the increase in renewables in our electricity supply. This research is carried out on an annual basis, but WG had not updated their carbon factors for a number of years, hence the dramatic change from 21/22 to 22/23.

	2019/2020	2020/2021	2021/2022	2022/2023
Total tCO2e from procurement	55,168	56,190	40,231	25,550
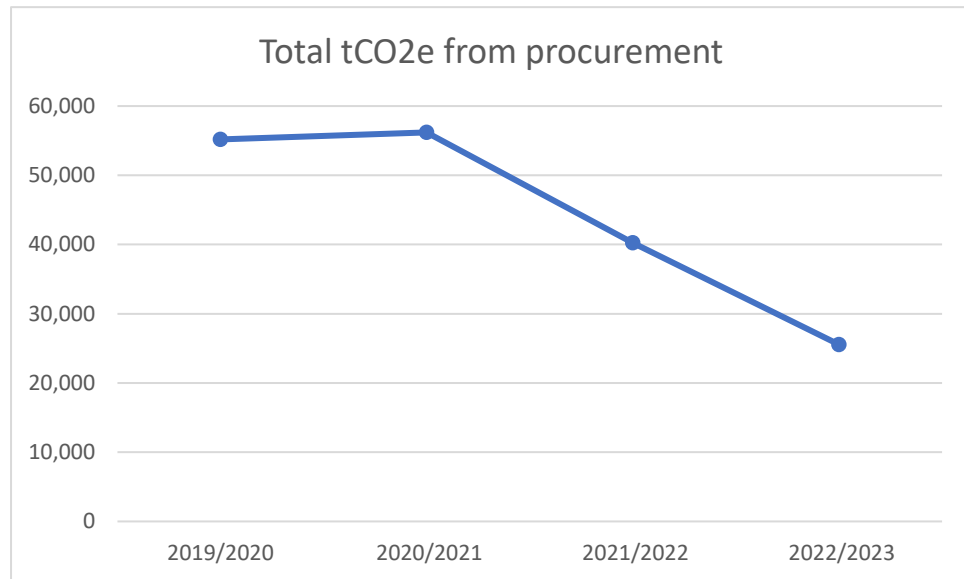
5.6   Our Wider Role

	2019/2020	2020/2021	2021/2022	2022/2023
Total waste tCO2e	6,908	21,009	20,279	18,576

Total waste tCO2e
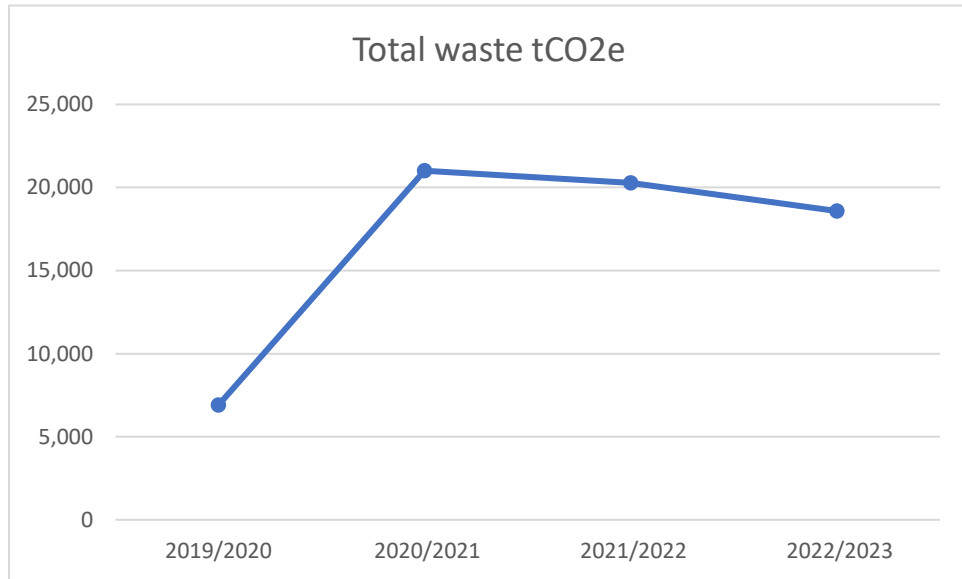
6 APPENDIX A – 2022/23 ACTION PLANS

6.1 Organisational Leadership and Culture

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. Behaviours & Role-Modelling: *Our elected members and workforce will be encouraged and supported to consider their individual contribution to becoming net zero carbon by 2030, and leaders will role model the Council's expectations.*	i. Develop a programme of training for elected members, managers and staff.	• Review and agree on preferred option for carbon literacy training. • Procure carbon literacy training • Investigate eco literacy and pilot.	G
	ii. All elected members undertake eco and carbon literacy training within the first year after local elections with regular updates.	• Source funding for training • Arrange sessions for remaining members (1 session Oct/Nov - 1 session Feb)	G
	iii. All senior managers (service manager and above) undertake mandatory eco and carbon literacy training.	• Investigate number of managers to attend • Source funding for carbon literacy training • Arrange training	G
	iv. Incorporate climate change vision and plan into the induction for every new member of staff in the Council.	• Write content for recruitment page. • Review and amend onboarding materials to include content where appropriate.	G
	v. Provide mandatory climate and biodiversity awareness training for new / existing members of staff.	See 1i-iii	A

	vi. Provide staff with information and guidance on how they can support reducing their carbon footprint for their work/life choices.	• Identify existing materials for signposting to include a carbon footprint calculator.
		• Identify media to be used e.g.
		  - staff newsletter
		  - animation
		  - Intranet
		  - Desk top background
		  - Reaching all staff
			A

	vii. Lead by example and demonstrate the commitment to challenge poor practice and behaviours where the ecological and	• Provide CMs and senior leaders with information to support the decision-making process • Provide support and information for business cases and report writers	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	climate emergency is not being properly considered in the actions of others.	• Implementation of TOMs • Links with 2i	G
	viii. Embed net zero carbon, climate change and biodiversity action in our corporate values framework incorporating it into our people management activity such as recognition awards, performance management and behavioural frameworks.	• Ensure this is considered when developing the People & Culture Strategy	R
	ix. Support and encourage the workforce to embed carbon reduction, climate change and biodiversity action across the Council by setting up a Climate Change Network.	• Promote Climate Change Network to recruit members • All HoS to promote Climate Change Network to engage with staff that may not be part of this • Set up Climate Change Network • Staff member from network to attend the Culture & Leadership subgroup.	G
2. *Governance & Performance:* *Our democratic and corporate functions will be committed to becoming net zero carbon by 2030, and our decision-making, governance framework and performance monitoring will reflect this commitment.*	i. All political and corporate decisions to evaluate the climate change, ecological and carbon reduction impacts as part of the decision-making process.	• Review democratic report templates and amend to incorporate climate change and decarbonisation. • Develop training to support this process.	A
	ii. Ensure the work to develop the next Corporate Plan 2022-27 considers the commitments made in this plan and embeds our aspiration to be net zero carbon and reduce the impacts of the climate and nature emergency through the projects and objectives.	• Ensure Climate Change and decarbonisation is considered as the new Corporate Plan is developed.	G
	iii. Ensure performance measures include our organisational targets towards becoming net zero carbon and reducing the impacts of the climate and nature emergency.	• Ensure carbon reporting is undertaken and reported to the Welsh Government on an annual basis. • Add to service planning process • Develop Climate Change reporting on MI Hub integrating with the service planning process.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	iv. Review all policies and procedures to ensure that decarbonisation and climate and nature emergency are considered.	• Contact service areas to investigate existing policies and procedures. • Put a process in place to ensure all new policies consider climate change. • See 4iii	G
3. *Promotion & Engagement:* *Regularly publicise progress and achievements to embed aspirations to be net zero carbon by 2030*	i. Report on progress against the Climate Change Plan annually (See 1 above) as part of the Corporate Annual Report / Self-Assessment.	• Add Annual Report to Cabinet and Council work programme • Develop report	G
	ii. Positively engage with our residents and communities on our journey to carbon zero. e,g. Newport Matters, messages from Leader/Cabinet Member/Chief Executive, social media, dedicated web page, interest groups etc	• Use brand and animation once finalised. • Use quarterly reporting to prompt promotion. • Involve comms in projects as they are developed. • Link to participation strategy	G
	iii. Recognise positive actions and behaviours demonstrated by the workforce and publicise these through our engagement channels. e.g. staff newsletter, dedicated Intranet page etc.	• Regular section in staff news • Consider team/staff award process.	A
4. *Financial Commitment:* *To plan for the financial impacts of climate change, and to ensure that our medium to long term financial planning contributes to the delivery of the Council's commitment to*	i. Consider the climate and nature emergency and carbon reduction initiatives within the Council's long term capital programme and revenue budget / Medium Term Financial Plan, maximising the use of external funding where possible.	• Corporate plan to drive budget allocation • Ensure incorporated in to the MTFP & capital programme • Refer to Climate Programme Board to consider and take forward • Review Capital and Treasury Management Strategy to ensure they consider climate change and the nature emergency.	A
	ii. Commit to explore appropriate sources of external funding and innovative use of internal funds to drive the change required to achieve our aspiration to become net zero carbon by 2030.	• Develop a funding needs plan to identify gaps • Ensure all sources of funding are investigated and sort.	G
	iii. All business cases for transformational change programme and projects consider	• Update processes as part of the restructure and governance structure review.	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
reduce carbon emissions where possible.	carbon reduction financial and non-financial impacts.	• Review capital bid form to incorporate carbon reduction • See 2iv	
	iv. Review all investments to ensure they are invested in ethically based funds.	• Review our existing investments • Reflect ethically based investments in our Capital and Treasury Management Strategy	G
	v. Use our influence to encourage the staff pension fund to invest in ethically based funds.	• Ensuring that the pension board are aware	A

6.2 Our Buildings

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. New Council Buildings: *All new buildings will be net zero carbon.*	i. Ensure commitment for building to be net zero carbon is clearly communicated to all stakeholders at the start of any new build project.	• Discuss with Newport Norse. • Develop a written policy to be agreed by Cabinet (Lead CMs are Infrastructure & Assets and Climate Change & Biodiversity and also CM Education & Early Years)	A
	ii. Include requirements for buildings to use net zero carbon energy in the project brief.		
	iii. Include requirements for nature-based solutions and greening for all new buildings. For example, green roofs, green walls, SuDS etc		
	iv. Ensure early engagement to help develop the overall net zero carbon heating strategy for new buildings.		
	v. The Council to provide additional funding where reasonable to meet net zero carbon operational energy targets for new buildings.	• Discuss with the Capital Team and Newport Norse. • Agree on a reasonable financial percentage to meet net zero carbon targets for new buildings.	A
2. Building Retrofitting:	i. The Council will set appropriate business case parameters to allow the deep retrofit	• Discuss with Newport Norse. • Engage an external provider to establish retrofit costs for all assets.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
Deep retrofit to ensure creating net zero carbon energy buildings.	of suitable sites and to tackle a blend of challenging and more straight forward measures from the outset.	• Establish retrofit costs for all assets.	
	ii. Solar PV generation will be maximised to provide the highest proportion of consumed electricity as is viable per location.	• Apply the principle to every building being retrofitted • Collect decarbonisation proposals for sites and review solar opportunities	A
3. Renewable Heat: *Implementation of renewable heat in new buildings*	i. Mandate within the project brief that only low carbon heating solutions are to be considered as heating sources.	Included in *1.i-iv* above	G
	ii. Ensure project team / building users have received necessary training on low carbon heating solution options.	• Access & develop a training package for low carbon heating options being used on site • Deliver training	A
	iii. Consider nearby buildings (Council owned / public / private) when determining energy strategy for the building heat networks.	• Map existing buildings to develop a map /opportunities list for heat networks. • Consider other public sector buildings	A
4. Natural Gas: *A commitment to significantly reduce or remove natural gas heating supplies across our buildings.*	i. Demonstrate commitment to wider roll out, by trialling 1-2 demonstration projects in the first year of the strategy.	• Trial low carbon heating projects • Complete works on low carbon schools	G
	ii. Develop communication strategy for explaining decision to move to low carbon heating, and how that will affect building occupants.	• Find / develop a video / content on low carbon heating to share with schools and sites	A
	iii. Subsidise short term increased revenue costs for sites that have transitioned from gas heating to low carbon alternatives.	• Discuss next steps with Finance • Agree on process moving forwards	A
5. Building Rationalisation: *Audit current assets to*	i. Develop a prioritisation matrix for rationalising current assets owned by the Council to include: - Current utility costs - Costs for deep carbonisation	• Complete prioritisation matrix • Once received, incorporate decarbonisation costings into prioritisation matrix • Incorporate into policy developed for 1i-iv & 3i	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
understand their long-term carbon impact with the aim of better strategic utilisation.	ii. Identify properties which have significant long term carbon impacts on the Council if retained. iii. Identify properties that will require the largest investment to decarbonise.	• Acquisitions also needs to be considered here.	
	iv. Carry out strategic review of assets.	• Review assets and determine the appropriate guidance and sign off on decisions required for the current estate	G

6.3 Our Land

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. *Ecosystem Resilience:* *Sustainably restore, create and connect biodiversity and habitats by improving Council owned land and public realm*	i. Use green infrastructure mapping and assessment to change land management practices to create, maintain and restore biodiverse, climate resilient environments and provide carbon storage.	• Create a usable mapping data base that teams can begin to populate with management plans and actions. • Produce individual management plans for NCC sites • Forward Chris Blandford Associates plan to develop to next level	G
	ii. Review and adapt green infrastructure strategies to consider biodiversity, carbon reduction and natural flood management. (to link with urban forest strategy).	• Review SPG documents i.e. Biodiversity and development SPG	G
	iii. Update the enhanced biodiversity and resilience of ecosystems plan on a regular basis in line with the Environment Act duty.	• Produce a forward plan and report on the last 3 years.	G
	iv. Review the management of all Council owned land and public realm for improved quality of biodiversity and habitat creation (e.g. meadow and grassland improvement and creation etc).	• Set up a task and finish group to undertake this work • Review current tenancy agreements • Engage with tenants • Reappropriation of land as per new service areas –layers to be added to GIS mapping • Norse to list suitable land	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
		• Available land to go to CSAMG	A
	v. Manage blue infrastructure effectively to reduce the risk of flooding, provide cooling, improve air quality and provide carbon storage.	• SUDs strategy	A
2. Trees & Woodland: *Improve human health, environmental quality, carbon reduction and capture by sustainably managing and increasing Newport's trees and woodland.*	i. Ensure an overall increase of tree cover by developing an urban tree strategy and reviewing and adapting existing tree planting policies to incorporate best practice.	• Review of existing TPO and *NCC owned trees* policy. Reissue with amendments • Review tree strategy best practice examples and create specific Urban Tree Strategy for Newport • Team to continue with ongoing work and report back quarterly	G
	ii. Improve baseline data of tree cover across the local authority area.	• Liaise with i-tree • Review and analyse the i-tree base line provided • Explore other potential assessment tools to verify the current level of tree cover in the Authority.	G
	iii. Identify suitable locations within Council land for tree planting including reallocation of land and replanting for losses in ash woodland.	• Continue looking at the replacement of trees where Ash removal is occurring (compensation) • Identify additional sites for tree planting and enhancement through mapping work • Develop a palette of suitable tree species for the City • Look to agree a policy regarding the sale of land that takes tree planting opportunities into account	G
	iv. Increase tree cover In line with the findings of the iTree study by 26,000 on Council owned land.	• Planting to take place in the appropriate season • Continue monitoring planting vs removal figures	G
	v. Ensure the sustainability of tree stock by maximising opportunities to source stock of local provenance and origin.	• Identify local producers • undertake financial vetting, provenance, and quality checks • create select list in line with procurement	G
	vi. Work with city partners to provide suitable locations within the Council land portfolio for tree planting including reallocation of	• NCC Policy regarding the sale of land to be amended to include climate change potential • Introduce a process by which reappropriation or sale of NCC land passes by this subgroup prior to CSAMG	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	land and replanting for losses in ash woodland.	• NCC and Norse to discuss site disposal to determine whether there are any additional tree planting opportunities available	G
	vii. Evaluate the need and consider taking on low value land to increase tree cover and biodiversity.	• Review the acquisitions policy to support the plan and themed actions • identify NCC land unsuitable for future development • review S106 policy to include land suitable to support climate change activity • Identify any project development with external grant funding that could support the aims of this work • Explore planning applications and "offers" of open space through S106 agreement to identify land that could benefit this subgroup	A
3. *Urban Greenspace:* *Increase green infrastructure in the urban/public realm to reduce environmental inequalities, for the multiple benefits of nature's recovery, human health and wellbeing, climate adaptation, cooling and flood alleviation, providing carbon reduction and clean air.*	i. Create urban green spaces by reappropriating space and retrofitting innovations which could include: • pocket parks. • Sustainable Drainage Systems (SuDS) / rain gardens. • roof top spaces. • green walls. • water features for cooling effects. • more porous pavements. • wildflower planting. • street trees and hedges in areas of high air pollution. • invest in trees to keep urban areas cool and provide shade to protect from heat, and flooding.	• Revisit and review feasibility study for the city centre • Expand this to cover the whole city • Input this study into existing masterplans to ensure actions from this subgroup are incorporated and any "overlap" of land use is identified • From the feasibility study, identify areas where schemes can be implemented quickly • Identify what external support is needed • Identify funding sources and procurement processes to assist in the overall schemes and projects from the masterplan • Engage with Housing Associations regarding land management	G
	i. Review Council owned land and identify opportunities to work with tenants to	• Identify potential tenants and groups • Identify lease holders	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
4. Council Owned Leased Land: *Support the nature recovery whilst reducing carbon emissions from Council owned farmland and any other leased land.*	reduce carbon emissions and improve biodiversity and carbon capture.	• Review associated landowners and managers i.e., housing association, • Review terms and conditions of lease and licences • Engage with Tredegar House regarding land management	
	ii. Make aware and encourage tenants to take up initiatives to reduce carbon emissions and improve biodiversity and carbon capture.	• RC and CRT to identify measures that could be incorporated into new leases and/or licences • Discuss the potential of these measures with existing tenants	A

6.4 Transport and Mobility

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. *Business (Grey) Mileage & Staff Commuting:* Reduce carbon emissions from employee commuting and grey mileage by implementing a policy of agile working, active travel and usage of public transport and ultra-low	i. Reduce commuting by single use car by implementing a new operating model including hybrid home working and use of local public sector hubs: • Identified employees to work average of 40% work 60% home.	• Sign off home working policies • Sign of funding by cabinet and exec board • Develop proposals for parking at the civic centre • Presentation to exec board on car parking	G
	ii. Increase participation in active travel including cycling, walking and use of public transport: • Increase promotion of cycle to work scheme and extend to e-cycling bikes.	• Continue to publicise	G
	• Review potential to offer cycle to work scheme throughout year.	• Agree with benefit provider	G
	• Extend our discount schemes to all bus and train providers.	• Negotiate with bus providers re possible discount schemes	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
emissions vehicles (ULEVs).	• Promote employee benefits scheme for active travel i.e., outdoor leisure shops that sell cycling/walking kit.	• Agree with benefit provider	G
	• Install/ provide storage, showers / changing, lockers at main sites.	*Funding under the new normal* *Burns money could be available here* *Secure storage -cycle hangers* *Also need to think about depot* • ATNM should provide information on locations of suitable routes and storage sites.	A
	• Promote cycle hire/safe routes to work.	• Develop the travel page on intranet • Promote through articles in bulletin.	G
	• Consider introducing car sharing and park and ride if beneficial.		A
	iii. Review and update Travel & Subsistence Policy to promote carbon reduction initiatives: • Hire cars should always be ULEV.	• Already reviewed • Agreement by the Employment Partnership Forum • App to be designed to book fleet	A
	• Reduce car mileage allowance for petrol/diesel vehicles incrementally over 5-year period (but retain current mileage rates for ULEV).	• No action currently – long term action	G
	• Allow home to work claims to prevent unnecessary journeys to a workplace to start work (especially if ULEV).	• Include in the new Travel & Subsistence Policy. See 1i	G
	• ULEV fleet vehicles to be used for business travel when required.	• Develop App for booking • Purchase vehicles	A
	• Consider incentives for active travel including on street bike hire fees when in place.		A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	iv. Develop and implement sustainable travel plans for key Council sites.	• Identify key sites that require travel plan and create a template sustainable travel plan.	G
	v. Ensure sustainable transport options are available from the outset of a Council new builds.		G
2. *Fleet:* Reduce Council carbon emissions by moving to a ULEV fleet.	i. Develop a 5-year plan for fleet renewal and charging capacity.	• Develop a financial plan for replacement of vehicles which will form part of the budget setting going forward	A
	ii. Replace vehicles and plant with ULEV as they come up for renewal.	• All vehicle and plant procurement includes consideration for an electric alternative	G
	iii. Investigate the feasibility of the conversion of existing vehicles		G
	iv. Provide manual and electric bikes for staff to undertake site visits and inspections as part of Council fleet.	• Could link to on street bike hire	A
	v. Increase charging capability at Council sites as the fleet increases.	• To develop a costed plan for roll out of EV infrastructure for the Civic, schools & social services sites • Survey remainder of Social Services sites • Commission surveys for schools	G
	vi. Investigate the feasibility of energy banks on site to store electricity for contingency.	• Review the business case for battery storage taking into account energy price increases	G
	vii. Link charging capability to solar source and other small-scale renewables.	• Share the business case with CSAMG for increase of solar PV at Telford depot • Review the feasibility of solar car ports across our estate	A
	viii. Develop a vehicle disposal policy.	• Policy in place just to be reviewed to be fit for purpose	G
3. *Transport network:* Managing the transport network to enable people to travel in a	i. Prioritise walking, cycling and public transport in line with the sustainable travel hierarchy by: • Tackling illegal parking (already in place).		G
	• Apply for moving traffic offence powers.	• Decision taken to apply for the powers. • Council report seeking approval for an application to be made to WG	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
more sustainable way.		• Commencement of application process with Welsh Government	
	• Tackle pavement parking in line with WG legislation.	• No action required at this stage	G
	• Adopting new hierarchy of road users as contained in the highway code.	• Adoption of the "Sustainable Transport Hierarchy" as set out in Llwbr Newydd. The hierarchy will apply to all transport related infrastructure projects, activities, policies and plans by the council • All future policies and plans to be prepared in line with these principles where applicable • Existing policies and plans will be reviewed in line with the new principles	G
	• Implement 20 mile an hour limit.	• Reviewing of exceptions • Confirm exceptions with TfW • Collection and review of sign /line asset data • Planning for resigning of network • Early removal of unnecessary or redundant signage • Commence TRO processes for revocations and exceptions	G
4. *Land Use Planning & Placemaking:* Ensure sustainable transport options are available from the outset in all new developments, including walking, cycling, public transport and electric	i. Ensure all new developments maximise sustainable travel opportunities.	• Undertake a dip sample of planning applications to ensure that sustainable travel Is being proposed.	G
	ii. Review the Local Development Plan and other planning guidance to strengthen sustainable travel policies.	• Ensure Movement and Transport is a main topic area of the LDP. • Review AQ SPB / ST SPG in line with review timescales.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
charging infrastructure.			G
5. *Active Travel:* Reduce carbon emission by prioritising active travel across the city.	i. Improve and expand the current active travel network across the city to connect communities.	• Complete annual programme of improvement measures funded through Active Travel Core allocation and standalone WG and other grants. • Identify other potential sources of funding to implement schemes i.e. S106 and SPF grants. • Extend the network following approved statutory and non-statutory plans	G
	ii. Engage with communities to develop the next Active Travel Network Map to inform the improvements and expansion priorities.	• Priority programme of schemes to be developed to enable team to focus bidding for the next 5 years • Develop visuals for specific schemes to enable community engagement. • Work with schools and highways to incorporate 'Safe Routes' on ATNM	G
	iii. Use the Active Travel Network map to develop a new accessible public cycle map.	• Production and Publication of map available through web site and in hardcopy format	A
	iv. Promote active travel routes and choices across the city.	• Complete package of promotion work that stated in 2021. This includes: - videos of AT routes available, - interviews with users to encourage behaviour change, - info on journey times between destinations, - mapping available for all including school specific and remote access • Link with behaviour change group to promote through events in City	G
	v. Implement a city-wide bike hire scheme (to include e-bikes).	• Sign off business case and source funding for in year for whole scheme.	A
	vi. Remove barriers to active travel by way of secure cycle parking / cycle hubs, drop curbs, improving Illegal parking and improving safety.	• Complete 'Gap' Project – cycle storage in city centre • Begin roll out of on and off-street cycle hangers including Cycle hangers in multi-story car parks	G
6. *Public Transport:* Encourage the use of public transport	i. Improve travel information at bus stops to encourage the use of public transport.	• Review current timetable infrastructure and information at stops and the bus station, including Real Time provision	A
	ii. Implement the Flexi-pilot scheme (Demand responsive service).	• Maintain 3 current Newport City Council DRT schemes, • Continue to work with TfW on their pilot scheme (TfW contract and fund Fflecsi)	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
instead of car usage.	iii. Set up a regional bus network (Reference Network).	• Work with funders to maintain core bus network	G
	iv. Continue to support the socially necessary bus network.	• Work with funders to maintain supported for the socially necessary bus network	G
	v. Continue to promote the use of public transport to reduce emissions.	• Work with stakeholders to promote public transport use • Develop initiatives within Newport to promote the use of public transport • Continue to provide improved infrastructure to act as a Shop Window	G
	vi. Provide sustainably powered bus infrastructure (bus shelters solar powered) where possible.	• Ensure all new shelters are provided with solar power to minimise environmental impact and cost of mains connection	G
	vii. Work in partnership on promoting and reducing the barriers to using public transport such as safety, cost and accessibility	• Work with key partners to reduce barriers	G
7. *Charging Point Infrastructure:* Increase charging capacity across the city.	i. Increase public charging units across the city considering strategic sites to fit with the wider network.	• Map out existing public charger locations in Newport • Identify locations for additional rapid charging hubs • Identify funding opportunities • Explore NCC sites with existing PV to help reduce demand on the grid • Track charger numbers in relation to LAEP targets	G
	ii. Develop an on-street charging installation policy for Newport.	• Review existing policies adopted by other LAs • Develop a Newport specific policy	G
	iii. Increase the number of residents without off street parking that are in a 5-minute walk of a charging point.	• Identify the highest density areas of properties without off-street parking • Map out existing public charging points in Newport • Look at local infrastructure in the area • Investigate funding opportunities • Develop a roll out plan	G
	iv. Work in partnership with the region to develop a regional approach to EV charge point infrastructure.	• Continue working with CCR to roll out EV charging infrastructure throughout Newport • Explore the opportunity of keeping consistent networks throughout the area to make charging easier for residents	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
8. *Schools:* Reduce carbon emissions from home to school travel.	i. Roll out active travel programmes schools as funding becomes available.	• Undertake initial mapping exercise for of programmes in place currently • Look at which schools could have improved safe routes to be included in the next Active Travel map	G
	ii. Improve safe active travel links to schools.	• Walking route assessments for schools • Develop active travel maps for schools.	G
	iii. Roll out anti-idling campaigns at schools as funding becomes available.	• Closer engagement with schools through AQMA groups and as an AQAP measure will underpin uptake of anti-idling.	G
	iv. Pilot traffic free streets near schools.	• Work with Sustrans to engage with stakeholders • Linked to moving traffic offences	A
	v. Utilise the public transport network for home to school transport where possible.	• Identify opportunities to utilise public transport network and issue season tickets to eligible pupils	G
	vi. Analyse results of home to school taxi and bus contract study to agree date when ULEV will become mandatory.	• Link to regional work already undertaken CENEX & CCR	A
	vii. Ensure that sustainable transport options are available from the outset in all new schools, including walking, cycling, public transport and electric charging infrastructure.	• Ensure all planning applications are reviewed by AQ officer	G
9. *Taxis:* Implement policies to support the move to a low emission taxi fleet.	i. Develop a ULEV taxi pilot.	• Develop a further data led EV taxi trial / loan scheme.	R
	ii. Install charging points for taxis		R
	iii. Reduce emissions from taxi fleet by implementing minimum requirement of Euro 6 vehicles for licencing.		A
	iv. All new license taxis to be ULEV		A

6.5 The Goods and Services we Procure

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. *Measurement:* *Gain a good understanding of our estimated CO$_2$e per annum from procured goods and services, and its emissions profile and supplier base.*	i. Undertake initial baselining exercise to gain an estimation of the carbon emissions from procurement.	Compete annually	A
	ii. Develop a measurement tool to give more detailed information of the areas of focus (could be facilitated via the social value tool below).	• Investigate other measurement tools • Work with procurement and understand how the current social value tool works	G
	iii. Work with suppliers to review and measure carbon footprint of existing contracts.	• Develop questionnaire for use • Pick approx. four key contracts and engage with the suppliers for completion of questionnaire	A
	iv. Use this information gained in iii to inform future direction for new tender specifications, carbon questionnaires and TOMs requirements.	• Develop new tender templates and documentation for use across the procurement Gateway Process. • Carbon reporting will be required for contracts in line with WPPN 06/21. WPPN 12/21 will be used to help inform new specifications and questionnaires. • Agree the value of contracts that will require carbon reporting.	G
2. *Guidance, tools and training:* *Develop guidance, tools and training for the organisation to support staff to reduction of carbon throughout the procurement lifecycle.*	i. Develop and build on the Council's procurement gateway process to fully consider climate change, carbon reduction and sustainability.	• Develop and start using new template forms. • Add forms to intranet pages.	G
	ii. Consider climate change and carbon reduction action at the early stage of the procurement planning process and contract development by: • developing a new tender action timetable template and • using annual forward work plans to help inform on upcoming tenders.	• Develop and start using new template forms. • CR Team to assist and review CR measures in project proposals prior to Gateway sign off. • Procurement Team to update and start to use updated Tender Action Timetable.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	iii. Implement a social value tool (e.g. National TOMs) that considers climate change and carbon reduction to assist with evaluation.	• Agree tender value for carbon questionnaire and TOMs • Develop and start using National TOMs and carbon questionnaire for tenders above agreed value.	G
	iv. Provide appropriate training to undertake the new processes for: • procurement staff • staff/managers undertaking the procurement process • gateway decision makers	• Produce material to inform and train colleagues in new Gateway Processes	A
	v. Use networking and collaboration to seek out best practice and idea sharing.	• Attendance at National Procurement Network (PT) • Carbon Reduction Team to share invitations to relevant groups, meetings, and webinars as they are advertised.	G
3. *Partnership:* *Lead by example and work with our procurement strategic partners both public and private to align nature recovery, climate change, carbon reduction and circular economy aspirations.*	i. Ensure Newport Norse are fully engaged in this carbon net zero agenda and conduct procurements accordingly.	• Discuss with Capital Board about non educational projects also featuring in this process.	G
	ii. Consider if Newport Norse tendering requires the same carbon scrutiny in line with revised procurement gateway processes.		G
	iii. Engage with other key partners (including strategic suppliers) to seek out carbon reduction opportunities during the lifetime of contracts.	• Identify which contracts are to be prioritised first	A
	iv. Ensure collaborative contracts include carbon reduction measures and that collaborative contract management includes the ability to capture lifetime data and seek continuous improvements.	• Work with lead contracting organisations prior to signing up to collaborative contracts, and ensure measures meet with NCC requirements before committing. • Procurement team make sure that any collaborative contracts address this – this work is ongoing with other LAs • Procurement will monitor arrangements and make sure that carbon reduction measures are in place	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
4. *Engagement:* *Incentivise suppliers through proportionate evaluation criteria to proactively seek opportunities to support the nature recovery and reduce carbon and climate impacts.*	i. Use the Welsh National TOMs as scorable evaluation criteria in medium & high value tenders.	• Amend guidance and tender documentation to include a new Climate/Carbon section detailing the drive to net zero and the expectations on our suppliers. • Amend guidance and tender documentation to include scorable questions which will be evaluated and will feed into overall evaluation	A
	ii. Brief potential suppliers on the carbon reduction need for each procurement.	See 4i • Undertake supplier events or other communication methods to inform suppliers of CR requirements.	A

6.6 Our Wider Role

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
1. *Placemaking & Building Control:* *Reduce carbon emissions and support nature recovery by focusing on sustainable, low carbon development, influencing low carbon energy and building resilient communities*	vi. Ensure all developments are fully aligned with Planning Policy Wales 11, the Well-being of Future Generations (Wales) Act 2015 and the Placemaking Wales Charter.	• Review LDP annual monitoring report to highlight any issues with conformity (published Oct).	G
	vii. Ensure sustainable transport options are available from the outset in all new developments, including walking, cycling, public transport and electric charging infrastructure by: • Ensuring all new developments maximise sustainable travel opportunities. • Reviewing the Local Development Plan and other planning guidance to strengthen sustainable travel policies.	• Undertake a dip sample of planning applications to ensure that sustainable travel Is being proposed. • Ensure Movement and Transport is a main topic area of the LDP.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	viii. Encourage our partners to move towards carbon neutral new developments which consider the nature and climate emergency and incorporate nature-based solutions.	• Ensure that the requirement for sustainable development is included in the vision and objectives of the Replacement LDP. • All pre-app responses to include a link to nature-based solution information • Undertake a dip sample of planning applications to ensure that nature-based solutions are being proposed by Ecology lead.	G
	ix. Encourage developments to include local heat networks within major developments.	• Monitor number of planning applications that include heat networks.	G
	x. Identify a renewable energy target for Newport and ensure sufficient land is allocated to meet that target.	• Target set out in LAEP • Planning and Climate Change Team to work together to ensure this is contained in the new LDP.	G
	xi. Ensure developers meet national flood risk requirements for new developments.	• Monitor number of applications that do not meet all flood risk tests.	G
2. *Energy:* *Identify and implement the changes needed to the local energy system to decarbonise heat, electricity and local transport and realises local renewable energy production.*	i. Develop a Local Area Energy Plan for the Newport area which will inform, shape and enable the transition to net zero carbon energy for a whole area aligned with regional energy strategies and governance arrangements.	• Agree Local Area Energy Plan at June Cabinet	G
	ii. Deliver first phase of the Local Area Energy Plan, which indicates priority energy interventions to meet our power, heat and transport needs for the city.	• Recruit programme manager. • Develop short-term and long-term plan for delivery. • Develop a plan for funding arrangements to support and enable the delivery of the LAEP. • Work with other LAs to develop energy opportunities at scale. •	G
	iii. Work to a single vision and plan with public and private sector partners to deliver on a range of projects across heat, power and transport to decarbonise the local area and region.	• See point 2i • Apply for shared prosperity funding	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	iv. Support the Welsh Governments renewable local ownership energy target energy-generation-in-wales-2019	• Investigate opportunities for renewable energy development on NCC land • Look at opportunities for private wires/networks • Map out all public sector sites for opportunities to share energy	G
	v. Raise awareness and enforce the minimum energy efficiency standards for rental properties. (An Energy performance certificate (EPC) rating of A to E is required on these properties to comply with the law).	<u>F&G EPC properties</u> • Deliver enforcement outcomes related to enforcement notices. • Ongoing monitoring of new illegal properties entering the market. <u>No EPC properties</u> • Deliver enforcement outcomes related to those landlords operating without an EPC. • Ongoing monitoring of new illegal properties entering the market.	G
3. *Flooding*: *Build climate resilience and alleviate flooding across the city using a range of measures including natural flood defences.*	iv. Develop a sustainable drainage strategy for Newport and maximise opportunities for SuDS.	• Hold regular workshops with the SAB to develop a draft SuDS design guide for NCC	G
	v. Update flood risk management plan and strategy in line with national strategy.	• Await publication of new WG template for the new local flood risk management strategies • Flood Risk Officer to start working on existing WG draft template	G
	vi. Apply for Welsh Government grant funding for schemes as it becomes available.	• To compile bids for grant funding for submission to WG for 2023/24 • Manage progress of the small-scale revenue funded drainage schemes approved for 2022/23. • To compile bids for capital grant funding requirements for 2023/24 • Manage progress of the existing capital schemes approved for 2022/23.	G
	vii. Investigate any problems with existing assets and update the flood asset databases.	• Ongoing investigation of flooding incidences including carrying out WG revenue grant funded CCTV surveys and desilting in known problem areas. • Where further works are identified a list of potential schemes can then be compiled for future capital/revenue grant funding bids to WG. • Ongoing update of Geoenviron flood asset database, including revenue grant funded asset condition surveys.	G
	viii. Work with partners Welsh Waters, NRW and other local authorities upstream	• Consult with LAs within the South East Wales Flood Risk Management Group, other SABs, DCWW, NRW and WG regarding flood risk.	G

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	to influence decision making relating to flood defences.		G
4. Waste: Reduce carbon emissions from managing waste to become a zero-waste city and nation by 2050.	i. Lead by example and embed waste minimisation and circular economy principles and practice across the Council departments.	• Input into other themes of climate change plan where appropriate – especially procurement • Replace recycling hubs in Civic with new bins purchased April 2020 for consistency.	G
	ii. Continue to align with Welsh Government ambitions to reduce landfill waste and increase recycling	• Recycling rate for 21/22 is 67% - to sustain and improve this into 22/23. • Identify methods to target and achieve 70% recycling for 2024/25 • Increase recycling in flats and also non-domestic recycling • Continue to work with reuse organisations (Wastesavers, Repair Café, Remake Newport etc.,) and support third sector, charity and voluntary projects to reduce waste.	G
	iii. Work with the Welsh Government to ensure appropriate monitoring is in place to encourage reduction in all waste.	• Continue to complete statutory reports	G
	iv. Replace refuse fleet vehicles with ULEV as they come up for renewal.	• Trailing vehicles as they become available. • Work to resolve vehicle and charging issues.	G
	v. Support our communities to become plastic free "Plastic free Newport"	• Review progress against NCC Plastic Motion • Link with procurement to eliminate single use plastics across contracts – especially in schools and council premises • Follow up with plastic free schools – Jubilee Park, Glasllwch, Gwent Iscoed, Maindee, Caerleon primary and secondary, Ringland • Make all public access NCC buildings water refill stations. • Identify community interest groups / activities	A
5. Digital: Utilise digital solutions effectively to reduce and monitor carbon emissions.	i. Develop a new digital strategy that fully considers the Council's climate change commitments and net zero aspirations. - Actively considers climate change and associated actions - Supports the "new normal" way of working and associated actions.	• Digital Strategy to be completed • NCC web site re-development commences	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	- Provide technology solutions that reduce the need for customer and staff travel. - Maximise the use of digital solutions to reduce paper usage including digitising paper records where possible - Minimise data storage to reduce infrastructure requirements and reduce energy consumption.		A
	ii. Migrate to more energy efficient technology solutions including data centre and cloud provision taking advantage of economies of scale in terms of cooling efficiency.	• Priority IT system cloud migrations • SRS migrating partners to Vantage Data centre in 22/23	G
	iii. Maximise the use of digital solutions such as Internet of Things (IoT) network to measure climate change action and carbon emissions. For example, air quality, flood risk, carbon emissions	• Further testing of Internet of Things (IoT) network	G
	iv. Providing information and data to facilitate organisational and individual informed decisions around climate change and carbon emissions.	• Continued development of the Newport Intelligence Hub (NIH) • Work across council to share relevant data	G
	v. Work with IT Partner, Shared Resource Service (SRS) Wales to consider climate change measures across service delivery and take appropriate actions to reduce energy usage and reduce carbon and waste.	• Develop programme of relevant activities with SRS	A
	vi. Consider climate impact and carbon reduction when purchasing IT equipment.	• Develop and review policies and associated actions	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	vii. Embed reduce, reuse, recycle principles in IT policies and practices.	• Review policies and associated actions	A
6. *Partnerships & Communities:* *Work collaboratively with partners and communities to promote the climate and nature recovery across the city.*	i. Work with our partners to ensure communities feel connected to nature and have easy access to safe, quality green and blue spaces for health, well-being, play and recreation and empower communities to take an active role in decision making and managing local green spaces.	• Continue to deliver the aims and objectives of the Green and Safe intervention under the current Wellbeing Plan • Continue to engage with Gwent Green Grid and other Gwent Local Authorities to identify projects where a regional approach would be beneficial • Develop a Local Action Plan (Environment) which will identify opportunities to work with Partners under the new Wellbeing Plan (2023-28) • Deliver Community Gardens project • Explore options for development of Green Infrastructure in City Centre and wider urban areas	A
	ii. Ensure communities and One Newport partnership partners are fully engaged in the development and implementation of the Newport wide climate strategy.	• Work with partners to design and develop a community and business engagement action plan	A
	iii. Ensure key stakeholders including local businesses are fully involved in the development of the Local Development Plan	• No further action required – all already in place.	G
	iv. Work with partners and communities across Newport and Monmouthshire to ensure nature recovery, remembering that our natural resources have a key role to play in climate change mitigation and adaptation and developing a Local Nature Recovery Action Plan (LNRAP)	• Work with Gwent LA partners • LNP engages with local communities to determine local priorities	A
	v. Ensure all stakeholders including the industrial cluster and the residential sector are fully engaged in the	• Become part of SWIC to ensure engagement with industry. • Engage with WPD regarding the connection of new generation assets • Engage with WWU regarding the hydrogen network required to support industry and the potential for hydrogen fuelled vehicles	A

Priorities	To achieve this, we will….	Actions required in 2022-23	RAG
	development and implementation of the Local Area Energy Plan.	- Collaborate and support the delivery of the SE Wales Regional Transport Plan. - Collaborate across LAs across Wales to develop opportunities for investment in energy projects at scale.	
	vi. Embed climate change mitigation and adaptation opportunities into the air quality action planning process with communities and stakeholders.	- Section on Climate change: its strategic mitigation and air quality synergies in AQAP. - Completion of draft AQAP for December scrutiny by cabinet member. - Continue work with AQ groups across AQMAs and look at extending messages beyond AQMA communities. - Extend Labour manifesto commitment to annual Clean Air Day events to include Climate Change relationships as part of these events where possible.	G

7 APPENDIX B – 2023/24 ACTION PLANS

7.1 Organisational Leadership and Culture

Priority Area	Action		Date
1. Behaviours & Role-Modelling: *Our elected members and workforce will be encouraged and supported to consider their individual contribution to becoming net zero carbon by 2030, and leaders will role model the Council's expectations.*	i.	All (Senior)HR Business partners to undergo Carbon Literacy training and HR to identify other teams that would benefit from training	Mar 24
	ii.	Embed carbon literacy/climate change in L&D provision for senior managers and other staff, including provision of mandatory training/e-learning.	Mar 24
	iii.	Continue roll-out of carbon and eco literacy training for elected members	Mar 24
	iv.	Deliver All Member session on Climate Change (organisational and LAEP)	Dec 23
	v.	Support and develop the work of the Climate Change Staff Network	Mar 24
	vi.	Explore options for senior leadership to continue to role-model behaviour – e.g. follow up on commitments from Carbon Literacy training	Mar 24
2. Governance & Performance: *Our democratic and corporate functions will be committed to becoming net zero carbon by 2030, and our decision-making, governance framework and performance monitoring will reflect this commitment.*	i.	Review democratic report templates and amend to incorporate climate change and decarbonisation.	Dec 23
	ii.	Climate Change annual report – cross-pollination with other reports and comms.	Nov 23
	iii.	Explore inclusion of climate change implications/adaptation within service plans	Mar 24
	iv.	Develop reporting and performance management relating to Climate Change Plan (MiHub)	Mar 24
3. Promotion & Engagement:	i.	Internal communications plan – staff and members. Include communications toolkit. Look at how WFG embedded within organisation.	Dec 23

Priority Area	Action	
Regularly publicise progress and achievements to embed aspirations to be net zero carbon by 2030	ii. External communications plan. Include communications toolkit.	Dec 23
	iii. Undertake an audit within schools to create an overview of what is currently happening within schools and use the findings to inform future professional learning and resources.	Jul 23
	iv. Capture Case Studies and examples of work taking place in school in order to share practice.	Dec 23
	v. To further promote the work of Newport City through promoting school based workshops on offer and adding Climate Change to the school calendar of days to acknowledge. Also promote other relevant resources to schools.	Mar 24
	vi. Work with other internal groups to spread climate change links, e.g. strategic equalities and Welsh language. Carry out mapping exercise to see where links could be made.	Sep 23
4. *Financial Commitment:* *To plan for the financial impacts of climate change, and to ensure that our medium to long term financial planning contributes to the delivery of the Council's commitment to reduce carbon emissions where possible.*	i. Framework for investment in Climate Change	Sep 23
	ii. Embed ESG principles into investments and pensions	Mar 24
	iii. Review finance templates and forms to ensure that climate change is included where relevant	Sep 23

7.2 Our Buildings

Priority Area	Action	Date
1. *New Council Buildings:* *All new buildings will be net zero carbon.*	i. Adopt and adhere to New Build policy	June 23
	ii. Ensure capital costs for Net Zero Carbon buildings are met	Mar 24
	iii. The next NCC new build project initiated to be Net Zero Carbon in construction (embodied carbon) as well as operational energy as a test case	Mar 24
	iv. Quantify carbon impact of new builds and street lighting added since our carbon reporting baseline year and examine if this data could be used to project future emissions.	June 23

2. Building Retrofitting: *Deep retrofit to create net zero carbon energy buildings.*	i. Write and adopt a policy statement and approach for building retrofit	Sep 23
	ii. Low Carbon Heating – Move from fossil fuelled heating to low carbon heating on a further 5 buildings	Mar 24
	iii. Identify priority list of assets for retrofitting. (partially dependant on 3. i)	Sep 23
	iv. Undertake retrofit surveys in line with PAS 2038 to inform the optimised retrofit approach on 20 buildings. (partially dependant on 2.iii)	Mar 24
	v. Increase our installed PV capacity to 3MW	Mar 24
	vi. Retrofit 3 battery storage systems within our estate and a pilot project to inform future roll out	Mar 24
3. Building Rationalisation: *Audit current assets to understand their long-term carbon impact with the aim of better strategic utilisation.*	i. Produce cost estimate for decarbonisation of the estate	June 23
	ii. Support development of Asset Rationalisation Programme Board and associated Project Boards to ensure that Climate Change is represented at appropriate levels	Mar 24
	iii. Ensure that review of SAM Plan includes appropriate climate/decarbonisation elements	Dec 23
4. Operational Energy: *Reduce the use of energy across our estate in ways that do not require capital expenditure*	i. Draft and adopt an operational energy policy	Sep 24
	ii. Develop and issue quarterly comparative energy and cost reporting for key buildings and services – report exceptions	Sep 23
	iii. Schools – add energy usage to agendas for next business manager and cluster meetings to discuss energy usage	June 23
	iv. Schools – explore funding options to get all sites signed up to Energy Sparks	Sep 23

	v. Complete implementation of energy mitigation project (monitored by DMT)	Mar 24

7.3 Our Land

Priority Area	Action	Date
1. *Land Portfolio:* *Audit current assets to understand their long-term potential carbon impact with the aim of better strategic utilisation.*	i. Support development of Asset Rationalisation Programme Board and associated Project Boards to ensure that Climate Change is represented at appropriate levels	n/a
	ii. Create accurate land ownership data base for use in this project – amendments to freehold base layer which has only 95% accuracy.	August 2023
2. Ecosystem Resilience: *Sustainably restore, create and connect biodiversity and habitats by improving Council owned land and public realm*	i. Working group to establish carbon / climate / bio-diversity enhancement potential of our owned land (links to 1.i)	April 2023
	ii. Mapping overlays of Green Infrastructure Assessment onto accurate NCC ownership data base created in (1.iii) to identify significant GI	December 2023
	iii. Create a standardised management plan format for all NCC land in ownership and management to identify opportunity for tree planting	December 2023
	iv. Biodiversity and development SPG to be reviewed and revised to cover works taking place over next 3 years and until the publication of the RLDP	Mar 2024
	v. Produce interim (annual) review of Section 6 report	Mar 2024
3. Trees & Woodland: *Improve human health, environmental quality, carbon reduction and capture by sustainably managing and increasing Newport's trees and woodland.*	i. Plant 5,000 trees per year	Mar 2024
	ii. Baseline data of tree canopy cover to be reviewed and recalculated using accurate aerial information	December 2023
	iii. Urban Tree Strategy completed and published	December 2023

	iv. NCC tree policy reviewed, updated and published and NCC website revised and updated	October 2023
	v. Undertake ward by ward assessment of the 'other' land in ownership to identify tree planting opportunities, verges, pockets and in other control.	December 2023
4. *Urban Greenspace:* *Increase green infrastructure in the urban/public realm to reduce environmental inequalities, for the multiple benefits of nature's recovery, human health and wellbeing, climate adaptation, cooling and flood alleviation, providing carbon reduction and clean air.*	i. Green infrastructure – improvements to city centre public realm through introduction of green infrastructure at five locations	December 2023
	ii. Pocket parks – development and design detail of three pocket park sites from green infrastructure assessment	Mar 2024
	iii. Wildflower/tree planting – maintenance of Bee Friendly pollinator sites to aid carbon capture	August 2024
	iv. SUDs – further SUDs schemes completed in city centre	October 2023
5. *Flooding* *Build climate resilience and alleviate flooding across the city using a range of measures including natural flood defences.*	i. Develop a sustainable drainage strategy for Newport and maximise opportunities for SuDS.	June 2023
	ii. Update flood risk management plan and strategy in line with national strategy.	Mar 2024
	iii. Apply for Welsh Government grant funding for schemes as it becomes available	Mar 2024
	iv. Investigate any problems with existing assets and update the flood asset databases	Mar 2024

7.4 Transport and Mobility

Priority Area	Action	Date
1. Business (Grey) Mileage & Staff Commuting: *Reduce carbon emissions from employee commuting and grey mileage by implementing a policy of agile working, active travel and usage of public transport and ultra-low emissions vehicles (ULEVs).*	i. Reduce commuting by single use car by implementing new initiatives and behavioural change	Mar 2024
	ii. Increase participation in active travel including cycling, walking and use of public transport	Mar 2024
	iii. Develop and implement sustainable travel plans for key Council sites, including schools (potential for help from Sustrans)	Mar 2024
	iv. Provide manual and electric bikes for staff to undertake site visits and inspections as part of Council fleet – potential link to city-wide cycle hire scheme through Burns	Mar 2024
	v. Undertake staff survey to understand commuting and travel behaviour	June 23
2. Fleet: *Reduce Council carbon emissions by moving to a ULEV fleet.*	i. Produce fleet replacement plan and cost of transition to fully ULEV fleet	Mar 2024
	ii. Begin reporting on number of electric miles driven vs conventional miles and the benefits resulting from this	Mar 2024
	iii. Produce a plan for electrifying remaining 11 diesel vans	Mar 2024
	iv. Operate at least 1 electric sweeper	Mar 2024
3. Charging Point Infrastructure: *Increase charging capacity across council sites.*	i. Implement fleet charging at Civic Centre	Mar 2024
	ii. Ensure all schools that have or are visited by NCC fleet vehicles either have charging point infrastructure installed or a plan in place for installation	Mar 2024
	iii. Establish a process for allowing staff to pay for the use of Fleet chargers	Mar 2024

	iv. Undertake an estate review to find locations where resident charging could be installed	Dec 2023
	v. Include EV charging guidance in specification for NCC construction projects	Dec 2023

7.5 The Goods and Services we Procure

Priority Area	Action	Date
1. **Base Existing Supply Chain** *A one-off exercise to establish our supply chain emission for a baseline year (21/22 or 22/23) depending on the availability of data.*	i. Baseline the emissions for the top 50% of our spend for 22/23 (47 suppliers).	Aug 2023
	ii. Develop educational materials for all existing suppliers on carbon reduction and supporting NCC on achieving NZC by 2030.	Aug 2023
	iii. Develop and issue a toolkit for suppliers to provide data for 22/23 and for 23/24.	Aug 2023
	iv. Baseline emissions for the bottom 50% of our spend for 22/23.	Aug 2023
2. **Measurement and targeting** *Develop processes to support NCC staff and suppliers to measure and reduce supply chain emissions for 23/24 and into the future.*	i. Develop a measurement tool to give more detailed information of the areas of focus.	Aug 2023
	ii. Engage with strategic suppliers to seek out carbon reduction opportunities during the lifetime of contracts.	Aug 2023
3. **Organisational Processes for Procurement** *Develop and implement process to reduce the carbon intensity of each procurement the council makes. .*	i. Develop documentation and processes to support implementation of decarbonisation processes currently integrated into Gateway Level 4 into all Gateway Level 3 procurements.	May 23
	ii. Develop on decarbonisation-specific sections of tender and gateway process documentation to embed measurement tool detailed in 2. above.	Mar 2024
	iii. Explore implications of extending decarbonisations processes into Gateway Level 2	Mar 2024

4. Social Services Social care spend represents X% of our annual spend and X% of our emission. WG have a specific focus on SC decarbonisation which NCC will replicate.	i. Roll out the reporting toolkit to NCC's social care providers.	Aug 2023
	ii. Undertake decarbonisation audits of all commissioned and non-commissioned care homes and fleets to give guidance on where carbon and financial savings can be made.	Mar 2024

7.6 Our Wider Role

Priority Area	Action	Date
1. Waste: Reduce carbon emissions from managing waste to become a zero-waste city and nation by 2050.	i. Increase recycling rate to 70%	Mar 24
	ii. Include additional climate change/decarbonisation actions in revised Waste Strategy	Mar 24
	iii. Identify solutions to increase the number of eRCVs in our fleet	Mar 24
	iv. Trial project to work with Newport City Homes to incentivise increased recycling rate for households	Mar 24
	v. Implement The Environmental Protection (Single-use Plastic Products) (Wales) Bill to remove single use plastics from our estate and work to remove single use plastics from our supply chain	Mar 24
	vi. Implement a system to more accurately record waste collected from NCC sites.	Mar 24

8 APPENDIX C - GLOSSARY OF TERMS

Biodiversity is all the different kinds of life you'll find in one area—the variety of animals, plants, fungi, and microorganisms like bacteria that make up our natural world. Each of these species and organisms work together to maintain balance and support life.

Building Retrofit is changes to a building after construction to improve energy efficiency or decrease energy demand.

Carbon Literacy is an awareness of the carbon dioxide costs and impacts of everyday activities, and the ability and motivation to reduce emissions, on an individual, community and organisational basis.

Carbon Neutral is a state of net zero carbon emissions.

Carbon Sequestration is the process of capturing and storing atmospheric carbon dioxide. It is one method of reducing the amount of carbon dioxide in the atmosphere with the goal of reducing global climate change. Forests and other forms of plant life absorb carbon dioxide from the air as they grow and bind it into biomass.

A *Circular Economy* is achieved by designing products smartly with their whole life cycle in mind, re-using and repairing to extend their useful life, and then when their life is deemed over, remanufacturing to create new products from old.

Climate Change includes global warming and the "side effects" of warming, e.g. melting glaciers, heavier rainstorms, more frequent drought.

Climate Change Mitigation means avoiding and reducing greenhouse gas emissions and increasing greenhouse gas capture and storage.

Climate Change Adaptation is altering our behaviour and way of life to protect our families, our economies, and the environment in which we live from the impacts of climate change.

The *Climate Emergency* is a situation in which urgent action is required to reduce or halt climate change and avoid potentially irreversible environmental damage resulting from it.

Deep Retrofitting is a major or whole building retrofit to achieve a near net-zero energy building

Ecology is the relationship between living things and their environment.

Ecosystems are all the living things in an area and the way they affect each other and the environment.

Ecosystem Resilience is the capacity of an ecosystem to respond to a disturbance by resisting damage and recovering quickly.

Global Warming is the Earth's rising surface temperature and is one symptom of the much larger problem of human-caused climate change.

The *Greenhouse Effect* is a warming of Earth's surface caused by greenhouse gases.

Greenhouse gases (GHG) are the thin layer of gases surrounding the Earth. These gases include both naturally occurring and human-derived greenhouse gas such as carbon dioxide, methane, water vapour and nitrous oxide.

Green Infrastructure is a network of multi-functional green space and green features, which can deliver quality of life and environmental benefits for communities. It includes parks, open spaces, playing fields, woodlands, street trees, allotments, private gardens, green roofs and walls, SuDS and soils.

Natural Resources are natural assets or raw materials occurring in nature. Earth's natural resources include light, air, water, plants, animals, soil, stone, minerals, and fossil fuels.

Nature-Based Solutions are actions to protect, sustainably manage, and restore natural and modified ecosystems that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits.

Net Zero is achieving a balance between the amount of greenhouse gas emissions produced and the amount removed.

Procurement is the act of purchasing goods or services.

Scope 1 Direct Emissions arise from sources that are owned or controlled by the council including emissions from our plant and vehicle fleet and fuel.

Scope 2 Indirect Emissions arise from the generation of purchased electricity and heating. The energy is generated elsewhere, however as a user the council is responsible for these emissions.

Scope 3 Indirect Emissions arise from sources that are not owned and not directly controlled by the council; however, they are related to our activities. This includes emissions from the supply chain, such as goods we have purchased and services that we have outsourced. It also includes emissions from the water we consume, our waste services, employee commuting and business travel.

Solar PV (Solar Photovoltaics) is the generation of electricity using energy from the sun. Modern solar panels produce electricity from daylight and do not require direct sunlight, although more electricity is produced on bright sunny days.

Sustainable Drainage Systems (SuDS) are designed to manage stormwater locally, to mimic natural drainage and encourage its infiltration and passive treatment. SuDS are designed to both manage the flood and pollution risks resulting from urban runoff and to contribute wherever possible to environmental enhancement and place-making.

Sustainable Procurement is a process whereby organisations meet their needs for goods, services and works in a way that achieves value for money on a whole life basis and generates benefits not only to the organisation, but also to society, the economy and the environment. It considers the social, economic and environmental consequences of what is procured through all stages of its life cycle. This includes considering design, resource extraction and sourcing, manufacturing and production, transportation, service delivery, operation and maintenance, reuse, recycling and disposal. It is also about questioning whether the purchase requires to be made at all. It also considers the capacity of suppliers to address these consequences throughout the entire supply chain.

Sustainable Transport Options are walking, cycling, public transport and electric vehicles. Not all options are equally sustainable.

Tonnes of Carbon Dioxide Equivalent (tCO_2e) is a measure used to compare the emissions from various greenhouse gases based upon their global warming potential. For example, the global warming potential for methane over 100 years is 21. This means that one million metric tons of methane emissions is equivalent to 21 million metric tons of carbon dioxide.

Ultra-Low Emission Vehicles (ULEVs) are vehicles that emit less than 75g of CO_2 per km from the exhaust