



Carbon Neutral Nottingham 2028

ACTION PLAN

ANNUAL REVIEW 2023-24

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1. Introduction

a. Context

The year of 2023 continued the trend of increased heating of the planet, and it became the **hottest year globally since records began**. Indeed, 2023 was the tenth year in succession that has equalled or exceeded 1.0 °C above the pre-industrial period (1850-1900). The global average temperature for 2023 was 1.46 °C above the pre-industrial baseline; 0.17 °C warmer than 2016, the previous warmest year on record.

The imperative that we act to do everything we can to address climate change, despite other pressures, is now unequivocal. The level of change needed to keep global heating to under 1.5°C¹ remains an increasingly significant challenge for us all.

Nottingham's ambition to be the first city in the UK to become carbon neutral, Carbon Neutral Nottingham 2028 (CN28), focuses on action to reduce human produced carbon dioxide (CO₂) in the atmosphere, which has been scientifically accepted as the main cause of the planet's current climate crisis².

Carbon emissions are categorised under three scopes:

- **Scope 1:** emissions that the city makes directly — for example from the burning of fossil fuels in heating buildings
- **Scope 2:** emissions that the city makes indirectly – such as from the electricity or energy bought for heating and cooling buildings
- **Scope 3:** emissions that the city is indirectly responsible for – such as the products we buy

The CN28 ambition focusses on reducing emissions from scopes 1 and 2 and does not include actions to reduce scope 3 CO₂ emissions.

b. This Document

This is the fourth annual report on the progress of the eight-year citywide action plan to deliver CN28, which began in 2020. This report is particularly significant as it represents the 'halfway' point in the action plan's eight-year delivery term. More importantly, it is informed by an external best value review of CN28 and its associated activities, which were conducted by an external consultant appointed by Nottingham City Council (NCC) from November 2023 to February 2024. The resulting report is currently being considered by NCC.

¹ [Global Warming of 1.5C: IPCC Special Report](#)

² [Climate Change: Evidence and Causes, The Royal Society](#)

2. CN28 Best Value Review 2023-2024

An external review of CN28 was commissioned by Colin Parr, NCC's Corporate Director for Communities, Environment and Resident Services (CERS) took place between November 2023 and February 2024. This involved a strategic review of Nottingham's CN28 ambition and climate action policy, using a Best Value framework. The review was undertaken by an external consultant, Sam Balch from Project Giga.

At the time of writing, the report is being considered by NCC with a full response to be submitted to its Scrutiny Committee in due course. The review recognized the challenging time the Council currently faces, highlighted the strengths and weaknesses in the current CN28 approach, and concluded with recommendations to build further success on the significant progress already achieved.

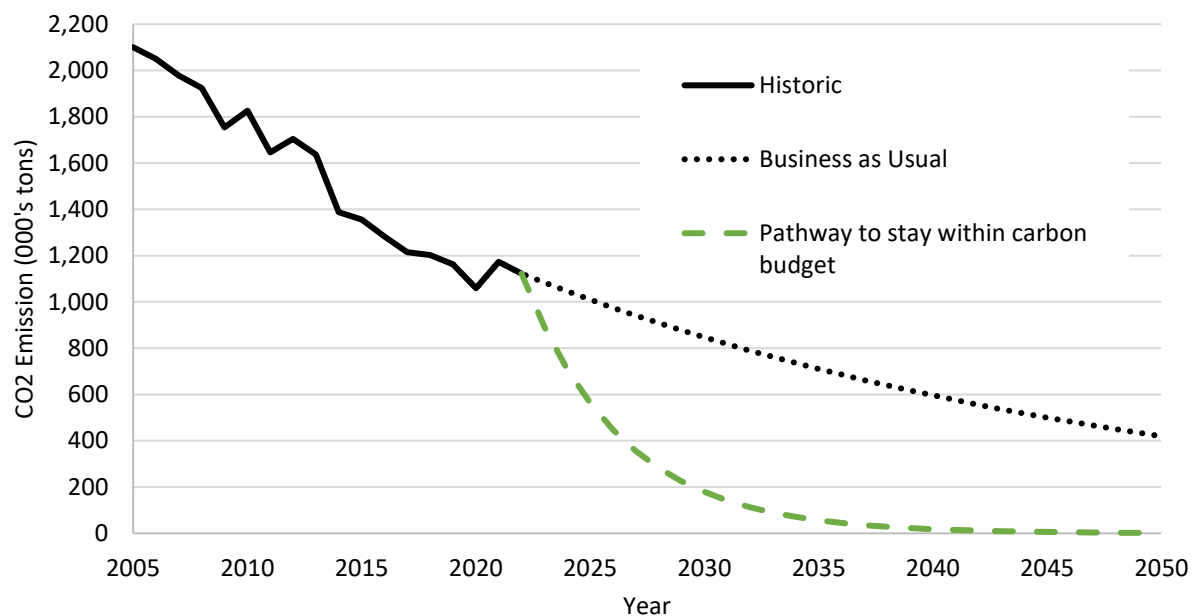
3. Nottingham's Carbon Emissions

a. Summary

The Government's Department for Energy Security and Net Zero (DESNZ) publish annual statistics on local authority level greenhouse gas (GHG) emissions³. These statistics are produced with a 2-year lag, meaning that 2022 is currently the latest year of available data.

Figure 1 illustrates Nottingham's emissions for 2005-2022, along with the required pathway to stay within our carbon budget in line with Paris Climate Agreement 2015, indicated in green.

Figure 1: Nottingham's GHG emissions 2005-2022

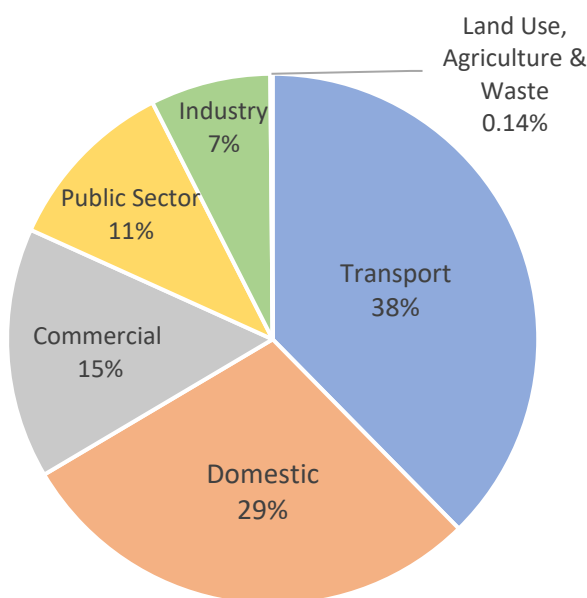


³<https://www.gov.uk/government/collections/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics>

The latest data indicates that Nottingham's total emissions have decreased by 46.6% since records began in 2005, and per capita emissions have more than halved (-53.7%) during this period. The 2022 data shows a return to trend in decreasing emissions; however, they have still not returned to pre-covid levels (5.9% higher than 2020).

A further breakdown of the source of Nottingham's 2022 emissions are shown in Figure 2. This shows the transport and domestic sectors combined account for nearly two thirds (66.5%) of the city's emissions. Transport is the only sector to see an increase, rising by 6% from the previous year (2021).

Figure 2: Nottingham's 2022 greenhouse gas (GHG) emissions source



b. Nottingham City Council's Carbon Emissions in 2022-2023

In 2022-2023, NCC produced just over 22,880 tCO₂e directly from its operations, which is a **21% decrease across all scopes** (1, 2 & 3) compared to 2021-2022 emissions. In this period the most significant reductions were to Scope 2 emissions, which decreased by 60%.

NCC's continued conversion of its fleet to ULEV resulted in a 7% reduction in these emissions compared to the previous year. Emissions resulting from waste were also down by 42%, mainly due to reduced volumes of waste and more efficient recycling during the year.

However, emissions resulting from the Council's business travel, employee commuting and working from home rose by 39%, 13% and 18% respectively.

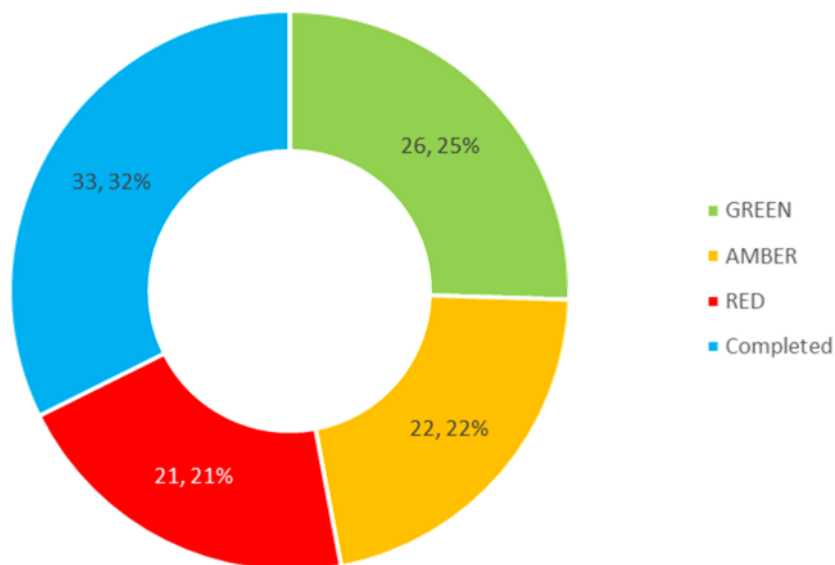
The Council's emissions data for 2023-2024 will be calculated and reported later in 2024. In line with the national picture, it is anticipated that emissions will show further reductions, although perhaps not at the scale of 2022-2023.

4. Managing Carbon Neutral Nottingham 2028

A Programme Board held internally within Nottingham City Council manages the CN28 action plan, with a senior Council officer leading each theme and reporting on progress on a quarterly basis. The chair of the Nottingham Green Partnership (NGP) also attends the CN28 Strategy Board and reports from this are presented to NGP members.

The 2023-2024 plan contained 139 active actions. The number of active actions is adjusted each year as part of the review process, as actions are completed or amended. Figure 3 indicates the status of the actions within the CN28 action plan.

Figure 3: Forecast of likelihood of completion of CN28 actions in 2023-2024



As of the end of March 2024, 33 (32% of the reported actions) were completed/ended in the year and 26 (25%) were expected to achieve their planned outcomes and targets ('green' rating). 44% of actions were rated as unlikely to be delivered ('amber' rating) or will not to be delivered at all ('red' rating). This is mainly due to significant resourcing restrictions in Council services, reducing capacity to deliver on several actions.

To ensure resources are focused on actions that can lead to the greatest reductions to carbon emissions, there will be several changes to the action plan for 2024-2025. Details of these changes are outlined later in this report. Some work on revising actions has taken place in the year and is reflected in the following summary (see Section 8).

5. Engagement

A monthly CN28 newsletter aimed at Nottingham City residents is issued to over 3,200 subscribers, providing climate change news, advice, and signposting to carbon reduction support schemes as available. We have seen growth in interest this year, with the number of subscribers increasing by almost 20%.

A dedicated [CN28 website](#) was launched in the summer of 2023, providing a clear destination for residents to access information on CN28. The website includes key strategic documents, a blog space contributed to by members of the NGP and an area dedicated to how citizens can get involved. CN28 social media accounts are also used to communicate key messages, alongside NCC's primary accounts where appropriate.

The [Green Rewards](#) scheme has continued this year and has seen an increase in participation from citizens in Nottingham City, with 1,689 households now signed up and recording sustainable behaviours through the app. Since its launch in October 2021, users have logged individual actions that have resulted in 261,697 Kg CO₂e emissions being avoided.

6. Working In Partnership

The Nottingham Green Partnership (NGP), now in its 32nd year, continues to provide a rich platform for knowledge exchange and stakeholder engagement with CN28 and the city's wider green ambitions. 47 organisations are now part of the NGP, and this year it compiled a [report](#) on all the achievements made across the partnership for the first time.

Richard Barlow, partner at Brown Jacobson solicitors, currently chairs the NGP, which meets on a quarterly basis in venues throughout the city. Meetings are regularly attended by over 30 individuals from multiple organisations and there has been a 25% increase in numbers attending in person during the last year over pre-covid average attendance. Several new partners joined the NGP this year, including Nottingham College, Games Workshop, Active Notts and CT4N.

The NGP has also formed five task & finish groups, covering a range of topics including the development of a Nottingham Climate Assembly. NGP also adopted new Terms of Reference including routine partner reporting and the appointment of three vice chairs to support the current chair.

Some examples of work done during the year by NGP organisations to reduce their carbon footprints include:

- Browne Jacobson installing PV at their Wilford Street offices
- The Environment Agency created a Green Award scheme for staff
- 15 buildings at Nottingham Trent University now have roof mounted solar PV panels, eight use biomass (for heating) and, eight are connected to the city's low carbon District Heating Network (DHN)

- Nottingham University Hospitals NHS Trust opened a new cycling facility at the City Hospital with space for 120 bikes, which is anticipated to reduce staff travel emissions by over 50 tCO₂/year when compared to commuting via car
- Nottinghamshire Healthcare NHS Foundation Trust are phasing out single use plastic from their catering
- University of Nottingham have installed Air Source Heat pumps to heat their swimming pool.

7. Carbon Disclosure Project (CDP)

In 2023, NCC compiled and submitted an annual disclosure on Nottingham's climate progress to [CDP](#). This international project helps to identify and monitor major risks, opportunities and sources of emissions that need to be accounted for. It uses the international Common Reporting Framework, aligning reporting requirements of multiple international initiatives in one place. Nottingham is also a signatory of the [Global Covenant of Mayors for Climate and Energy](#), [Race to Zero](#) and [Race to Resilience](#) initiatives. These initiatives and leading global best practice were used to help inform and review the City and NCC's own action plan and progress.

In last year's CDP submission, Nottingham scoring meant it was regarded as an '**A list City**', **one of only 119 cities globally to achieve this top rating from over 1,000 reporting their climate progress**. CDP A List Cities are proving their climate leadership through concerted and effective action to mitigate and adapt to climate change.

8. CN28 Action Plan 2023-2024

A. Carbon Reduction

Key to Nottingham contributing to reducing global heating and achieving carbon neutrality is the ability to reduce the amount of CO₂ humans put into the atmosphere as much as possible. The actions to reduce CO₂ emissions in this section of the action plan are divided into five themes:

- I. Transport
- II. The Built Environment
- III. Energy Generation
- IV. Waste & Water
- V. Consumption

I. Transport

Many actions in this theme are critical to achieving CN28 and need to be delivered at scale and pace considering 38% of the City's CO₂ emissions come from the city's transport network which is still dominated by vehicles that run on fossil fuels i.e., petrol and/or diesel.

a. Key achievements 2023-2024

- The announcement of significant new local authority funding with £1.5bn potentially available for D2N2 authorities arising from the creation of East Midlands Combined County Authority in 2024.
- Cycle usage continues to grow steadily despite decreased work use due to more home working post COVID-19. This has been influenced by the completion this year of the east-west cross-city centre cycle programme, the north-south Beechdale cycle corridor and the St Ann's corridor which is due to be completed in July 2024
- Bus and tram patronage rose by nearly 30% (or 11m journeys) between 2021-2022 and 2022-2023 to nearly 49m. Bus and tram patronage remains below pre-Covid levels at 83%
- Bus stop displays have been upgraded along several routes around the city including the City Centre and core routes to Bulwell, St Ann's, Sneinton and Carlton
- Nearly £15m has been received from government for the Bus Service Improvement Plan (BSIP), and this is funding traffic priority, integrated ticketing initiatives, and bus service support
- The Council was awarded funding in partnership with NCT to enable the bus company to procure zero emission vehicles. 68 new vehicles are being procured, with the first batch went into service in March 2024. A bid for further funding to electrify more NCT vehicles was submitted to government in December 2023
- The Council now has a fleet of eCargo bikes to be used as part of the council's operations and can be loaned to local businesses/charities and organisations. Feedback continues to be positive, with organisations benefitting from not having to rely on cars, and the marketing opportunity that the bikes bring

- There are now over 700 EV charging sockets across the city. March 2023 saw the most charging sessions in a month ever on the D2N2 network with 9,360 sessions. 10 50 kW rapid charging points were installed in the last six months
- 30% of NCC's vehicle fleet has so far been converted to ULEV.

b. Actions 2024-2025

Key to reducing emissions from transport will be to accelerate the shift to electric powered road vehicles both commercial and domestically. This will also be contributed to by further encouraging the shift away from cars to public transport and active travel modes such as cycling and walking.

As transport has been identified as one of the key areas that will make a material and significant contribution to reducing city wide carbon emissions, the actions to be delivered and reported for 2024-2025 onwards have been refocused and streamlined to ensure there is clear attention on the actions that will make the most material difference going forward. Therefore, for this year onwards, there will be a smaller number of actions being delivered and reported. These will include:

- Continuing to develop a high-quality cycling network
- Working with schools and employers to encourage all to travel by walking and cycling where possible
- Actively seeking to expand the tram network
- Improving the bus infrastructure and expanding Public Transport networks
- Further consideration for a City Centre Clear Zone and/or road charging
- Expand the electric vehicle charging network
- Transition NCC operational and grey fleet to ULEV
- Work with key public sector organisations to investigate demand and capacity for accommodating greater numbers of ULEVs.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

II. The Built Environment

As in the transport theme, many actions here are considered critical to be delivered at scale and pace considering over 40% of the City's CO₂ emissions come from both commercial and domestic buildings in the City. Nottingham consists of a high proportion of older domestic properties and many of which are low in energy efficiency and are still heated by fossil fuels (gas, oil etc.). Increasing the energy efficiency of properties at scale and installing as many non-gas heating systems as possible e.g., electric heat pumps is vital to achieving the CN28 ambition.

a. Key achievements 2023-2024

- Development of a new Fuel Poverty action plan that includes actions to provide information to residents
- Work has begun to develop a formal 'Reduction of Carbon in New Development Supplementary Planning Document' (SPD) focusing on the operational carbon of new developments. Also, the

Greater Nottingham Strategic Plan is in preparation which will also include relevant policies on carbon reduction

- EPC assessments continue to be delivered for both commercial and domestic properties both internally and externally.

b. Actions 2024-2025

For 2024-2025 onwards, there will be a smaller number of actions being delivered and reported which focuses on those with the highest impact on reducing carbon emissions. These will include:

- Roll out retrofit at scale across Council and private properties, and investigate scaling low carbon sources of heating (air/ground/water source heat pumps)
- Introduce the Reduction of Carbon in New Development SPD to ensure new developments in the city are built with the lowest carbon impacts
- Address over 50,000 solid wall or inadequately insulated properties across the city
- Regenerate areas of the city with more energy efficient and climate smart buildings, giving consideration to pedestrianisation opportunities
- Utilise funding opportunities provided through the upcoming Warm Homes Local Grant.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

III. Energy Generation

Many of this theme's actions are considered as making a high material impact on reducing the city's carbon emissions at scale and pace. The city currently generates less than 7% of its energy from sustainable sources locally so is very reliant on the national grid and how quickly it is decarbonising. Therefore, the city needs to generate much more energy locally from solar photovoltaic (PV) arrays, the DHN and other low carbon sources e.g., biogas. By 2028, we have calculated that Nottingham will need to be producing over 50% of its energy demand from local low carbon sustainable sources to produce the emissions reductions needed to get to CN28.

a. Key achievements 2023-2024

- Work progressed on the Harvey Hadden Sports Village PV installation. On completion, 20% of the centre's energy will be supplied from this renewable clean source
- The project to maximise the use of renewable energy that is generated locally by using batteries and 40 'Vehicle-To-Grid' vehicles for short-term storage of the electricity generated by the solar panels at the Council's Eastcroft depot is nearing completion. The batteries are in place and an integrated software management system to balance energy demand has been installed.

b. Actions 2024-2025

As with the previous the Transport and Built Environment themes, for 2024-25 onwards, a smaller number of actions will be focused on those delivering the greatest impact on emissions. These will include:

- Implementation of the Nottingham City Local Area Energy Plan (LAEP)
- Work with adjacent partners to develop local energy generation on periphery of city for use in the city
- Installing PV on all viable NCC properties and encourage PV uptake across the city
- Explore the opportunities for anaerobic digestion to produce clean energy e.g., electricity and biogas, deal with waste, and produce resources
- Through engagement with citizens and partners, develop information and guidance materials to facilitate greater uptake of renewable energy generation
- Prioritise energy recovery and explore the potential to expand the District Heating Network to more properties
- Look to support the development of community energy projects as part of the Government's Great British Energy commitment.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

IV. Waste & Water

The greenhouse gas (GHG) emissions from waste disposal mostly result from landfill and the majority of which is methane, rather than CO₂. The carbon emissions that result from water use are also relatively insignificant. Therefore, as the focus is on the actions that will have the most significant impact on carbon emissions to try and reach CN28, most actions in this theme will no longer be reported.

a. Key achievements 2023-2024

- Less than 10% of the city's municipal waste is sent to landfill
- Nottingham's new Resources and Waste Strategy was formerly adopted by the Council earlier this year, many of the themes require change to how services are delivered to residents

b. Actions 2024-2025

Most actions will continue to be delivered as part of the new Nottingham Resources and Waste Strategy but not reported here as they do not make a material difference to the city's carbon emissions. However, a small number will continue to be reported, focused on food waste which has an impact on carbon emissions particularly and the Council's water consumption reduction.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

V. Consumption

This theme predominantly seeks to reduce the carbon emissions that result from the things we all consume, buy, or make. These emissions are generally considered as indirect 'scope 3' emissions or embodied emissions. As mentioned previously, these are therefore considered as outside of the scope of CN28 which only covers direct (scope 1 & 2) emissions.

a. [Key achievements 2023-2024](#)

- Collaborative work continued with both universities and community food organisations to develop the food strategy themes and outcomes. NCC's Public Health team are leading on the strategy development and projects to include reducing CO₂ through improved procurement of food continue
- Work progressed on developing an environmental sustainability charter for city events.

b. [Actions 2024-2025](#)

To ensure the city's efforts focus on the areas which will significantly contribute to achieving CN28, only a handful of actions will continue to be reported in this theme connected to food, procurement and improving the sustainability of city events.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

B. Carbon Removal

The actions in this section of the plan aim to remove carbon CO₂ from the atmosphere and environment that has not been done sufficiently through mitigation (see section A).

a. [Key achievements 2023-2024](#)

- 200 new street trees planted as part of the Streets For People programme
- Further research was conducted on the use and benefits of biochar for carbon sequestration.

b. [Actions 2024-2025](#)

It is recognised that new tree planting and natural carbon removal actions previously reported as part of this theme will not deliver sufficient emissions removals at the scale or pace needed to reach CN28. Therefore, specific activities such as tree planting and related activities will be no longer be reported here.

However, future/continued work will centre on the development and deployment of carbon capture and/or storage processes and techniques such as the use of 'biochar'. Biochar can be used on open spaces, sports fields, verges etc. and is an organic material that has been carbonised under high temperatures, in the presence of little or no oxygen. This process leaves a solid residue of at least 80% elemental carbon. Biochar when spread on land, can improve soil fertility, and help the soil absorb more CO₂.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

C. Resilience and Adaptation

Extreme weather events are becoming more frequent and severe as the climate crisis deepens. These effects often impact the vulnerable and underrepresented members of our communities

disproportionally, so it is important we take steps to ensure they are protected as far as possible, and the city continues to adapt to be able to function in the future.

a. [Key achievements 2023-2024](#)

- NCC has a statutory duty to deal with flooding and responded to several incidents through the year, particularly in the winter months, which resulted in flooding to several areas across the city
- Progress this year has been hampered by the loss of key staff in the Council resulting in many actions stalling or being withdrawn.

b. [Actions 2024-2025](#)

The best value review highlighted the continued need for the action plan to deliver key activities to help keep the city safe and adapting to the changes now and in the future.

2024-25 will focus on a smaller set of actions that have a more material impact on the city's ability to be resistant and adaptable to those climate change impacts such as flooding and heatwaves. These will include:

- Developing a new citywide Resilience and Adaptation Strategy
- Developing NCC and service level plans for adapting to climate change
- Working with partners and other local authorities to help evaluate and develop suitable tools to help understand impacts to NCC service areas

For further details on the changes made for 2024-2025, see [Appendix 1](#).

D. Biodiversity

This section contains several important actions for the city but as the focus for the CN28 ambition now needs to be firmly on actions to result in carbon emission reductions at scale and pace, some actions will no longer be reported as they are not considered as providing significant contribution.

a. [Key achievements 2023-2024](#)

- New habitat opportunity mapping has been completed along with a remapping of Nottingham's tree canopy. Implementation plans are now developing and will be delivered over the next three years
- Major programme of habitat creation has been delivered throughout the year with both small-scale habitat management and large-scale infrastructure and tree planting projects completed during the year
- 2,000 donated trees were provided to allotment sites to increase canopy cover
- The WildNG herbicide free pavements project was established with 90 people signed up to be wildlife champions in the Sherwood area. These volunteers will champion biodiversity on their street and encourage people to let their gardens grow wild for pollinators.

b. [Actions 2024-2025](#)

Some actions will continue to be delivered as part of the new Greener Nottingham Strategy that will be introduced later this year. This is part of the response to the city's declaration of an ecological emergency in 2020 which coincided with the climate emergency declaration and CN28. Therefore, delivery in 2024/25 will focus on the implementation of the new 25-year Green Space and the Tree and Woodland Strategies along with work to continued work to improve the biodiversity of the city.

For further details on the changes made for 2024-2025, see [Appendix 1](#).

E. Behaviour & Culture Change

We recognise the importance of public communication and engagement, and that greatest emissions reductions are enabled when all people in the Nottingham City are aware, feel informed and empowered to make choices that will reduce carbon emissions in all aspects of their lives.

a. [Key achievements 2023-2024](#)

- Over 261,000 kg CO₂ has been avoided by Nottingham City users of the Green Rewards App since 2021
- Over 3,200 subscribers to the CN28 monthly e-newsletter
- Nottingham achieved an A score for the 3rd year running along with 119 other cities worldwide in the internationally recognised Carbon Disclosure Project (CDP)
- Undertaking public engagement through events such as the Green Hustle and Nottingham Green Festivals
- Hosting a networking event for organisations who have made a pledge to We Support CN28
- Launch of a dedicated CN28 website.

b. [Actions 2024-2025](#)

2024-2025 will continue to prioritise work to encourage behaviour and culture change both in NCC and across the city. Attention will be focused on several key areas which will include:

- Developing CN28 communication materials specifically for young people and new forms of engagement for families with children
- Implementing an Internal Engagement Strategy within NCC, including the development of new training resources
- Delivering communications and marketing campaigns to develop the awareness, understanding and knowledge of CN28
- A new action to devise an external CN28 experts' panel.

For further information

For further information on Carbon Neutral Nottingham 2028 visit the [CN28 website](#) or email climatechange@nottinghamcity.gov.uk

Appendices

a. Action Plan 2024-2025

Key
BLUE – completed
GREEN – no change
AMBER – reworded/recoded
ORANGE – No longer reported/suspended
YELLOW – due date altered
DARK GREEN – New

OVERALL Performance Indicator	Review Changes
CN 001 % reduction in overall City CO ₂ emissions since 2005	No change

CARBON REDUCTION - Transport Theme

Objective - To reduce the need to travel, particularly by car, within the city boundaries DELETE	
Actions	Review Changes
CN TRA 002.01 Encourage employers to use shared hubs and new technology	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN TRA 003.01 Ensure that new developments promote walking	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN TRA 003.02 Ensure that new developments are within easy reach of high-quality public transport and within easy reach of high-quality Cycle Network routes	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

CN TRA 006 Government use fiscal policy to incentivise home working	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN TRA 007 Government increase the proportion of Department for Transport (DfT) capital funding delegated to Local Authorities (LAs)	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN TRA 008 Government review vehicle excise duty in order to encourage a switch to sustainable forms of transport	NO LONGER REPORTED – no resources at NCC to lobby UK Government

01 Objective - To increase the uptake of active travel and availability of safe and green walking/cycle networks

Performance Indicator	Review Changes
CN TRA 004 Cycle counts on monitored network	No change

Actions	Review Changes
CN TRA 009 Develop and publish a Local Cycling and Walking Improvement Plan (LCWIP) for the D2N2 area with Local Enterprise Partnership support	Completed
CN TRA 010 Prioritise the development of a high-quality cycling network and secure cycle parking in Nottingham and beyond	No change but reported annually
CN TRA 012 Work with schools/employers to encourage all to travel by walking and cycling where possible inc. Car Free Days, Clean Air Days, and other events, in conjunction with communities and voluntary orgs	No change but reported annually

02 Objective - To increase in the quality, accessibility, and frequency of public transport for all

Performance Indicator	Review Changes
CN TRA 001 No. of local bus and light rail passenger journeys originating in the Council area (millions)	No change

Actions	Review Changes
CN TRA 018 Actively seek to expand the tram network to cover more of the city and conurbation of Nottingham	No change but reported annually
CN TRA 019 Invest in real time Public Transport information through on-street variable message signs and mobile devices	Completed
CN TRA 021 Improve bus infrastructure and priority measures	No change but reported annually
CN TRA 022 Expand Public Transport networks in partnership with public transport operators and large employers	No change but reported annually
CN TRA 024 Develop a MaaS platform in partnership with public transport operators and service providers of shared transport solutions	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Actions	Review Changes
CN TRA 027 Government provide support for investment into public transport	NO LONGER REPORTED – no resources at NCC to lobby UK Government

Objective - To create a clean system for freight to enter and move around the city **DELETE**

Actions	Review Changes
CN TRA 029 Modify the City Centre Clear Zone to ensure that only the cleanest delivery vehicles will be able to access the city centre	NO LONGER REPORTED – no approval to create a CAZ
CN TRA 030 Encourage freight organisations to make the switch to electric vehicles and promote the use of cargo-bikes for final stage deliveries	Completed
CN TRA 034 Government review vehicle regulations particularly looking at refrigeration in transport and how this can be made cleaner	NO LONGER REPORTED – no resources at NCC to lobby UK Government

03 Objective - To reduce and better manage demand of traffic on the City's streets

Action	Review Changes
CN TRA 037 Promote the park and ride facilities and investigate expansion to other areas of the city and county	AMEND - revised wording

04 Objective - To provide high quality infrastructure across the city which enables low emission and low carbon transport

Performance Indicator	Review Changes
CN TRA 002 No. of publicly accessible NCC charging units in place	No change

Actions	Review Changes
CN TRA 038 Expand the D2N2 electric vehicle charging network across the region	No change but reported annually
CN TRA 048 Government provide clear and coordinated communications campaigns to help raise public awareness, alongside providing incentives to switch the ULEV vehicles to aid the switch from petrol/diesel vehicles	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN TRA 052 Government require charge point suppliers to provide contactless payment options and support interoperability (roaming) across networks (powers under the Autonomous Vehicles Bill)	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN TRA 066 Work with D2N2 in linking the network of vehicle charge points across the region (public and HGV)	NO LONGER REPORTED – merged with CN TRA 061

05 Objective - To shift to ULEVs, investigate additional demand management measures to encourage shared travel and introduce new technology solutions

Performance Indicators	Review Changes
CN TRA 003 No. of low carbon vehicles registered	No change
RS23 FLT P001 % NCC Fleet converted to ULEV/Euro 6	No change

Actions	Review Changes
CN TRA 054 Introduce new technology and use smart cities developments to improve the efficiency of the transport network	No change but reported annually
CN TRA 056 Transition NCC operational and grey fleet to ULEV	No change but reported annually
CN TRA 057 Develop local electric car club/car sharing schemes and investigate applications/communications to support greater uptake	No change but reported annually
CN TRA 058 Work with NTU and UoN to identify opportunities for research into clean transport technology	No change but reported annually
CN TRA 061 Work with key organisations to support the increased take up of ULEVs	AMEND – revised wording

CARBON REDUCTION - The Built Environment Theme

01 Objective - To significantly increase low carbon heating and the energy efficiency of buildings in the city **AMEND**

Performance Indicator	Review Changes
CN BEN 001 Percentage of domestic properties in Nottingham above EPC C	NEW for 2024/25

Action	Review Changes
CN BEN 001 Work with partners to provide information and materials to educate and engage citizens and businesses with low carbon sources of heating	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 002 Roll out retrofit at scale across Council properties, and investigate scaling low carbon sources of heating (air/ground/water source heat pumps)	No change
CN BEN 005 Undertake heat mapping exercises for ground, water, air, waste heat and other sources for low carbon heating, considering locally appropriate scale of infrastructure	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 006 Investigate the potential for local low carbon heating for commercial premises through energy audits, advice and grant funded opportunities	No change but reported annually
CN BEN 018 Contribute to making household retrofits commercially viable through creating local sites for retrofit material and ensuring sufficient skills and infrastructure is in place, as well as attracting investment in future retrofit measures	No change but reported annually
CN BEN 019 Capitalise on available funding and expand ECO measures where appropriate	No change but reported annually
CN BEN 020 Address over 50,000 solid wall or inadequately insulated properties across the city	No change but reported annually
CN BEN 021 Regenerate areas of the city with more energy efficient and climate smart buildings	No change but reported annually
CN BEN 026 Engage and collaborate with large public and private sector organisations to improve the energy efficiency of their buildings	No change but reported annually
CN BEN 045 Deliver and maintain the roll-out of retrofit in private homes using Green Homes Grant and other similar schemes	No change
CN BEN 050 Improve energy efficiency in all council buildings and reduce their energy use	NEW for 24/25

02 Objective - To enforce regulations effectively to monitor and encourage energy efficiency standards and improvements

Action	Review Changes
CN BEN 007 Enforce private rented and non-domestic Minimum Energy Efficiency Standards regulations	No change but reported annually
CN BEN 008 Review and evaluate the potential of 106 agreements or allowable solutions mechanism for developers to pay into when a certain high level of energy efficiency of buildings is not able to be met in the development and use this for carbon saving projects	NO LONGER REPORTED – include in CN BEN 051
CN BEN 012 Promote awareness and understanding of Energy Performance Certificate for domestic and commercial properties to foster greater action in the city	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 013 Stay up to date and help promote an emerging Carbon Neutral Supplementary Planning Document (SPD) which may require developers to produce carbon statement	NO LONGER REPORTED – replace with NEW action CN BEN 050

Objective - To have greater and more frequent citywide uptake of energy efficiency technologies both commercial and domestic **DELETE**

Action	Review Changes
CN BEN 022 Prioritise building new builds on council land to a high energy efficiency Standard progressing towards a 'carbon neutral' standard	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 025 Ensure the Council's own estate's energy efficiency is maximised through invest to save practices, such as using SALIX financing	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To help businesses and citizens reduce energy demand from buildings **DELETE**

Action	Review Changes
CN BEN 029 Inform citizens and businesses across the city on energy saving measures through developing materials and engagement e.g., local pop-up stalls, with the aim to also reduce fuel poverty	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 030 Provide information and engage with citizens and organisations to encourage switching to renewable energy tariffs	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To maximise the uptake of low-cost technologies to reduce the demand for energy across all buildings **DELETE**

Action	Review Changes
CN BEN 033 Ensure, where feasible, low-cost technologies such as LED lighting are rolled out across the council estate, including parks and open spaces to reduce energy use	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

03 Objective - To minimise emissions in construction of new buildings and through procurement

Action	Review Changes
CN BEN 035 Trial the open-source Embodied Carbon in Construction Calculator (EC3) tool	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 038 Measure Scope 3 emissions impacts of current construction approaches and procurement	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 039 Promote more sustainable materials for new constructions based on the BREEAM tool	NO LONGER REPORTED – include in CN BEN 051
CN BEN 041 Influence regional procurement frameworks	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN BEN 051 Introduce a Reduction of Carbon in New Development Supplementary Planning Document (SPD)	NEW for 24/25

CARBON REDUCTION - Energy Generation Theme

01 Objective - Develop and implement a strategy to develop low carbon, locally produced energy across the city **DELETE**

Action	Review Changes
CN ENG 003 Align FPA Parks and Heritage Strategy to 2050 to the shared energy vision	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 007 Support an active and visible community of energy discussion and working groups to tackle energy challenges collectively	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 008 Work with partners to understand the potential for low-carbon hydrogen gas in the distribution network for heating and hot water provision	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 009 Government devolve funding into local energy infrastructure and capacity building	NO LONGER REPORTED – no resources at NCC to lobby UK Government

01 Objective - To expand local low carbon sources of energy within the city

Performance Indicator	Review Changes
CN ENG 001 Energy generation from commercial PV in Nottingham (GWh)	NEW for 2024/25

Action	Review Changes
CN ENG 006 Work with adjacent LAs, partners etc to develop local energy generation on periphery of city for use in the city	No change
CN ENG 010 Install solar Photo Voltaic arrays (PV) on all viable NCC properties and encourage uptake across the city	No change
CN ENG 011 Undertake a viability survey at all existing sites (inc. structures in Parks) to potentially accommodate further solar PV wherever possible with shared surplus income towards sustaining parks and open spaces	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 014 Map out the potential to increase local renewable electricity generation and across buildings and sites, particularly in conjunction with research and other public sector partners	No change
CN ENG 017 Explore the opportunities for anaerobic digestion to produce clean energy e.g., electricity and biogas, deal with waste, and produce resources	No change but reported annually
CN ENG 018 Explore the potential for local water source heat pumps	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Action	Review Changes
CN ENG 019 Through engagement with citizens and partners, develop information and guidance materials through different media to facilitate greater uptake of renewable energy generation	No change
CN ENG 020 Government remove/refine current regulation which causes significant barriers in re-enforcing the network ahead of need	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN ENG 021 Government remove/refine current ceiling pricing rules on the amount companies can earn from charges to use the networks set by Ofgem	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN ENG 022 Government invest strategically, and work closely with the Distribution Network Operators (DNOs), in order to meet growing demands as new technology and green priorities mean more of a move to electricity for transport and heating	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN ENG 042 Implement Nottingham City Local Area Energy Plan (LAEP)	No change
CN ENG 046 Prioritise energy recovery and explore the potential to expand the District Heating Network to more properties	No change but moved from Waste & Water Theme and recoded
CN ENG 047 Work with the East Midlands Mayoral Combined County Authority to invest in low carbon and renewable energy generation	New for 24/25

02 Objective - To improve the capacity to store local low carbon energy	
Action	Review Changes
CN ENG 023 Increase electricity storage on council properties to allow maximum use of locally generated energy	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 024 Investigate the potential of parks and open spaces sites for local electricity generation and heat storage	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 025 Encourage non-public sector businesses to investigate feasibility of electricity storage locally, through consultation and advice	No change but reported annually
CN ENG 026 Investigate the potential for thermal storage e.g. hot water and ground inter-seasonal storage for greater maximisation of local energy generation	No change but reported annually
CN ENG 027 Investigate the potential of caves for energy storage	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

03 Objective - To have a stable and secure energy system that maximises energy from local diverse mix of low carbon sources

Action	Review Changes
CN ENG 028 Improve the resilience and coordination of the Council's energy systems to manage demand response which is sensitive to weather conditions and local energy needs	No change but reported annually
CN ENG 029 Investigate the potential for creating a roadmap and platform for private, municipal, co-operative and community developments to align in one energy system	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 030 Government develop a nationally smarter grid to make energy assets work together, with timely rollout and engagement for smart meters	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To enable the city to be a test bed for new energy generating technologies **DELETE**

Action	Review Changes
CN ENG 033 Develop 'Living Lab' - new sustainability and energy impact research initiatives co-designed with citizens and organisations	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 034 Be an innovative testbed city for new energy technologies e.g., micro-wind, pumped storage	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 035 Government provide nationally available funding to drive the national low carbon agenda at a city level which NCC can access	NO LONGER REPORTED – no resources at NCC to lobby UK Government

04 Objective - Ensure the Council utilises low carbon energy **AMEND**

Action	Review Changes
CN ENG 036 Reduce energy poverty with support from sister organisations e.g., Enviroenergy, Nottingham Energy Partnership	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 037 Increase community and cooperative energy projects in partnership with other organisations	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 038 Explore the potential for time of use tariffs and energy as a service model	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN ENG 039 Government enable access to appropriate nationally available funding, incentives and access to finance, to support affordable energy generation for all	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN ENG 041.01 Maintain a zero-emissions electricity tariff for the Council	No change but reported annually
CN ENG 041.02 Explore a green gas tariff for the Council	No change but reported annually

CARBON REDUCTION - Waste & Water Theme

01 Objective - To reduce the total volume of food waste generated **DELETE**

Action	Review Changes
CN WAW 001 Develop strategies to significantly reduce the use of single plastic by NCC	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 002 Develop citywide information and engagement to support residents and businesses with a transition to zero-waste approaches	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 003 Work with local partners to support the reduction of waste and to turn waste into a resource in a circular economy	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 004 Encourage a reduction in consumption by highlighting the environmental benefits of waste reduction and prevention, and signposting to waste prevention and reuse activities and services in the City	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

01 Objective - To reuse, reduce and recycle more waste **AMEND**

Performance Indicators	Review Changes
CN WAW 001 Percentage of household waste sent for reuse, recycling, and composting	No change
CER ES D 023 Percentage of municipal waste landfilled	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Action	Review Changes
CN WAW 005 Reduce food waste at source for organisations in Nottingham	No change but reported annually
CN WAW 006 NCC to explore the opportunity for commercial food waste collection and potential for Anaerobic Digestion	No change but reported annually
CN WAW 008 Continue to keep the proportion of waste collected that is sent to landfill under 10%	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 009 NCC work with local businesses and community groups to expand and promote repair and reuse services	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 010 Explore with the community and voluntary sector the reuse/repair of goods collected through the HWRC and the Bulky waste collection service	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 011 Introduce a separate weekly food waste collection to its residents and treat food waste in a manner that reduces carbon emissions and generates energy	No change
CN WAW 013 Adopt and promote the Nottingham Resources and Waste Strategy	No change but reported annually

03 Objective - To have better waste management and ownership through effective regulations and policy **DELETE**

Action	Review Changes
CN WAW 012 Keep up to date with national policies on waste and seek to contribute and influence new waste regulations	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 014 Government to provide financial support for a new waste system infrastructure and initiatives and provide clarity on future waste arrangements to tackle waste issues	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN WAW 015 Government to support or regulate greater levels of reusable and recyclable packaging, in line with national Waste Strategy principles	NO LONGER REPORTED – no resources at NCC to lobby UK Government
CN WAW 016 Explore the potential mechanism of collection for dry recycling materials from its residents and businesses to ensure that the full range of recyclables can be collected from both the kerbside service and the HWRC service	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To improve the efficiency of the water supply and water treatment to reduce water demand **DELETE**

Action	Review Changes
CN WAW 017 Undertake Water Efficiency Loan Scheme (WELS) projects across NCC estate	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 018 Build relationships with external bodies including Fire Service, NHS, local businesses as required and appropriate to share best practice on water management	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 019 Undertake activities to supply water to NCC's estate via water self-supply license, ensure performance remains above the market threshold and retain license	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

02 Objective - To improve behaviours to reduce water demand

Action	Review Changes
CN WAW 018 Build relationships with external bodies including Fire Service, NHS, local businesses as required and appropriate to share best practice on water management	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 019 Undertake activities to supply water to NCC's estate via water self-supply license, ensure performance remains above the market threshold and retain license	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 020 Undertake internal and external marketing campaigns to raise awareness of water usage and associated carbon emissions and how to reduce this	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Action	Review Changes
CN WAW 021 Undertake routine activities to identify anomaly consumption and potential leaks, working with wholesaler to reduce leakage and raise awareness of leaks both internally and externally	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN WAW 024 Ensure NCC's water consumption is at minimal levels through maintaining its water self-supply license, in combination with delivery of a variety of projects to encourage and implement water savings	New for 2024/25

CARBON REDUCTION - Consumption Theme

01 Objective - To take a strategic approach to food across the city **AMEND**

Action	Review Changes
CN CON 004 Develop Nottingham's Clean Growth economy through joined-up plans, strategies, and programmes, aligned with regional and national strategies	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 007 Develop a package to improve the efficiency of schools' catering equipment, and switch to electric sources to allow for carbon neutral catering	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 011 Encourage and incubate businesses that can deliver low-carbon goods and services to develop in or relocate to Nottingham	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 041 Develop a food strategy for Nottingham	No change but reported every six months
CN CON 042 Increase local growing and food sharing through community gardens/hubs and explore the use of technology	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 043 Promote reduction in the use of high carbon fertilizers e.g., by increased use of locally produced compost	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 045 Encourage and promote local cooperative, community owned and other collaborative ventures to foster more effective use and sharing of resources	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

02 Objective - To reduce consumption of high carbon products **DELETE**

Action	Review Changes
CN CON 012 Develop education and outreach programmes to reduce meat consumption/increase plant-based diets within Catering Services	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 013 Create full greenhouse gas footprint for catering functions to identify biggest emissions areas	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 014 Work with partners to reduce the carbon impact and overall sustainability of food choices, for example meat and dairy	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 015 Explore carbon reduction opportunities in procurement, by getting suppliers to present lifecycle/carbon assessments and look to adopt appropriate standards	Moved to Objective 03
CN CON 016 Ensure sustainable consumption campaigns and interventions e.g., Green Rewards are more effective through recognising and addressing existing inequalities	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To reduce local waste and link all remaining waste to energy, composting and a circular economy **DELETE**

Action	Review Changes
CN CON 008 Explore ways of providing a near carbon neutral catering provision across NCC's services	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

Objective - To encourage more low carbon cooking and meals **DELETE**

Action	Review Changes
CN CON 026 Explore the adoption of tools (e.g., EATS - Environmental Assessment Tool for School meals) to help engage school staff (and potentially students) with creating low-carbon meals through consideration of ingredients, food miles and cooking methods	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 046 Develop a local green kitchen standard for the city's public and private kitchens	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 047 Work with universities to develop a web-based resource on food, nutrition, health, environmental impact etc.	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

02 Objective - To reduce the carbon emissions of city events and improve their sustainability

Action	Review Changes
CN CON 027 Introduce a deposit scheme at all Nottingham NCC events to reduce single use plastic	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 030 Identify options for improving the sustainability of city events	No change but reported every six months

Objective - To develop sustainable tourism **DELETE**

Action	Review Changes
CN CON 031 Develop clear standards for leisure, tourism, and accommodation venues	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

03 Objective - To buy and procure sustainably

Action	Review Changes
CN CON 015 Explore carbon reduction opportunities in NCC procurement, by getting suppliers to present lifecycle/carbon assessments and look to adopt appropriate standards	No change but reported every six months
CN CON 033 Raise awareness through training in NCC on need to reuse internal resources and goods wherever possible	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 037 Work with partners and networks in the city to support SMEs across all sectors to become more sustainable and low carbon in their operations	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CON 040 Develop a process by which carbon impact considerations are included in all Council purchase decisions under £25k	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

CARBON REMOVAL

01 Objective - To offset residual citywide emissions from hard to reduce sources

Performance Indicator	Review Changes
CN 003 Annual City-wide CO ₂ emissions (mT CO ₂ e)	NEW for 2024/25

Action	Review Changes
CN CAR 002 Investigate the use of parks and open spaces to offset carbon for individuals and local businesses emissions	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CAR 015 Develop a proposal for an annual ‘carbon offset levy’ for the city	No change but reported every six months

02 Objective - To explore the potential for negative emission technologies **AMEND**

Action	Review Changes
CN CAR 007 Explore the implementation of negative emission technologies e.g., Biochar	No change but reported every six months

Objective - To improve land, soil and building management practices to better retain carbon and reduce air pollution **DELETE**

Action	Review Changes
CN CAR 008 Explore the opportunities and feasibility for urban greening (e.g., street trees), tree planting and green roofs/walls and promote them through the Biodiversity SPD	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CAR 009 Promote local scale offsetting as a normal function of future planning processes	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CAR 010 Implement Future Parks Accelerator Parks and Heritage Strategy to 2050 to include, for example, maximum carbon sequestration through detailed tree/meadow planting/growing, rewilding, soil management, waterways and wetland planning	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CAR 012 Investigate the potential for using SPDs to maximise carbon sink potentials	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN CAR 013 Research the carbon released during developments on green spaces and how to mitigate the impacts through onsite and off-site interventions, whilst understanding the green benefits	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions

RESILIENCE AND ADAPTATION

01 Objective - To ensure adaptation to climate change has a strong foundation in future policies

Action	Review Changes
CN REA 001 Include adaptation for heatwaves and floods in Land and Planning policies documents	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 002 Integrate adaptation thoroughly into a new citywide Resilience and Adaptation Strategy	AMEND – wording and reported every six months

Objective - To reduce risk of flooding to properties and infrastructure **DELETE**

Action	Review Changes
CN REA 003 Better protect homes and businesses across Nottingham that are exposed to flood risk	NO LONGER REPORTED – statutory duty of NCC, so no need to report
CN REA 005 Through development opportunities, seek to open up main rivers and create wetlands, natural flood defenses and urban drainage, as supported by the Local Plan and Biodiversity SPD	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 006 Work with partners and organisations to conduct in depth flood risk mapping across Nottingham e.g., NTU and Environment Agency	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 007 Ensure Emergency Plans are adapted to reflect the changing risk through the Local Resilience Forum	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 008 Explore and encourage innovative technologies and natural interventions (Blue and Green infrastructure) to reduce flood and heat risk within urbanised areas	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 009 Maintain highways and other assets, removing blockages, to reduce the risk of surface water floods	NO LONGER REPORTED – statutory duty of NCC, so no need to report
CN REA 024 Work with Nottingham partners to understand how Green and Blue infrastructure can be better used to manage water	NO LONGER REPORTED – insufficient NCC resources to deliver

02 Objective - To ensure all core NCC services are adaptable to a changing climate

Action	Review Changes
CN REA 011 Improve knowledge and understanding of how the Council is affected by extreme weather events in terms of providing its services and its financial impact	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 013 Develop Council and service level plans for adapting to climate change	No change but reported every six months
CN REA 014 Work with partners and other local authorities to help evaluate and develop suitable tools to help understand impacts to council service areas	No change but reported every six months

Objective - To understand the current and future impacts of extreme weather events and climate change, with an in-depth knowledge of the most vulnerable citizens

DELETE

Action	Review Changes
CN REA 015 Establish a methodology with partners to undertake a full citywide vulnerability assessment for extreme weather events and future climate change scenarios	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 016 Identify those most at risk from extreme weather events, such as heat waves and develop mitigating actions	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 017 Assist marginalised and vulnerable groups to become more resilient and deliver educational engagement programme with target communities	NO LONGER REPORTED – insufficient NCC resources to deliver

Objective - To create resilience to climate change in communities and business **DELETE**

Action	Review Changes
CN REA 019 Work with citizens across Nottingham to ensure those most vulnerable and at high risk to severe weather events are on the priority service register and have signed up to alerts e.g., flood risk alerts	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 020 Work with businesses across the city to help them develop business continuity plans in response to climate change and extreme weather events	NO LONGER REPORTED – insufficient NCC resources to deliver
CN REA 021 Work with residents and communities to empower them to become more resilient to current and future climate change impacts, including the use of simple interventions	NO LONGER REPORTED – insufficient NCC resources to deliver

BIODIVERSITY

01 Objective - Enhance biodiversity and our natural environment in all parts of the city **NEW**

Action	Review Changes
CN BIO 001 Implement Nottingham's 25-year Green Space Strategy	AMEND – wording, recode to 001 and reported every six months
CN BIO 002 Identify sites which meet the criteria for Local Nature Reserve designation to expand protected sites' network	No change but reported every six months
CN BIO 016 Select strategic sites that need protection from current or future pressure from development or loss	NO LONGER REPORTED – included in CN BIO 001

02 Objective - To increase woodland cover in appropriate places and managing sustainable woodlands

Action	Review Changes
CN BIO 003 Implement Nottingham's Tree and Woodland Strategy	AMEND – wording and recode to 003
CN BIO 006 Sustainably manage existing woodland and prevent its degradation	NO LONGER REPORTED – included in CN BIO 003
CN BIO 007 Work with partners to identify sites for woodland creation and promote tree planting across privately owned land, schools, and businesses	NO LONGER REPORTED – included in CN BIO 002

03 Objective - To install innovative natural features to developments, as per the Biodiversity SPD **DELETE**

Action	Review Changes
CN BIO 008 Support the Biodiversity SPD by including biodiversity enhancements to all developments, ensuring net gain in biodiversity	NO LONGER REPORTED – covered in Built Environment theme
CN BIO 009 Consider green roofs, green walls, and sustainable urban drainage systems, in new developments	NO LONGER REPORTED – covered in Built Environment theme
CN BIO 010 Identify aspirational projects for small scale wetland creation, biodiversity enhancement opportunities and natural flood defenses	NO LONGER REPORTED – covered in Built Environment theme

BEHAVIOUR & CULTURAL CHANGE

01 Objective - To effectively engage, involve and inform the city's residents, workers, visitors, and businesses in climate change and CN28

Performance Indicators	Review Changes
CER ES C 012 kgCO ₂ avoided by Nottingham users of the Green Rewards App (since 2021)	NO LONGER REPORTED – unlikely to have a significant impact on carbon emissions reductions
CN 006 Total no. subscribers to CN28 monthly e-newsletter	No change

Action	Review Changes
CN BCC 001 Advice other NCC services in developing actions and contributions to reducing their own carbon emissions	NO LONGER REPORTED
CN BCC 002 Deliver a range of internal communications to raise awareness of CN28 at NCC	No change (recoded)
CN BCC 003 Make carbon reduction part of all NCC planning and decision processes	NO LONGER REPORTED
CN BCC 003 Deliver a range of external communications to raise awareness of CN28 (previously CN XCN 009)	No change (recoded)
CN BCC 004 Engage with diverse communities through the Nottingham Climate Assembly	NEW for 24/25
CN BCC 005 Work with the Nottingham Green Partnership and city businesses to help them work towards carbon neutrality (SCP 24-27)	NEW for 24/25
CN BCC 006 Deliver engagement activities to young people that raise awareness of CN28	AMEND - wording
CN XCN 004 Develop new mechanisms of external democratic involvement with the carbon neutral agenda	NO LONGER REPORTED – insufficient NCC resources to deliver

Objective - To report and monitor carbon emissions across the city **DELETE**

Performance Indicators	Review Changes
CER ES 037 % reduction in overall City CO ₂ emissions since 2005	AMEND - moved to 'overall' and re-coded CN 001
CN XCN 002 Achievement of an overall score of A in CDP	NO LONGER REPORTED – CDP no longer reported

Action	Review Changes
CN XCN 013 Undertake annual reporting to the CDP (Carbon Disclosure Project) Climate and Environment Reporting Platform for Cities	NO LONGER REPORTED – insufficient NCC resources to deliver
CN XCN 014 Produce an annual report on Nottingham NCC's greenhouse gas emissions	NO LONGER REPORTED – no need to report here as business-as-usual activity
CN XCN 015 Establish a suite of KPIs to routinely report delivery of the CN28 action plan objectives and targets	NO LONGER REPORTED – no need to report here as business-as-usual activity
CN XCN 016 Develop and integrate ClimateOS into CN28 action plan progress reports	NO LONGER REPORTED – no need to report here as business-as-usual activity

02 Objective - Ensure NCC's statutory duty to improve the city's air quality is clearly linked to the delivery of carbon emissions reduction

Performance Indicators	Review Changes
CN BCC 003 Levels of atmospheric Nitrogen Dioxide ($\mu\text{g}/\text{m}^3$)	No change
CN BCC 004 Levels of atmospheric particulates less than $10\mu\text{m}$ in diameter (PM10) ($\mu\text{g}/\text{m}^3$)	No change
CN BCC 005 Levels of atmospheric particulates less than $2.5\mu\text{m}$ in diameter (PM2.5) ($\mu\text{g}/\text{m}^3$)	No change

Action	Review Changes
CN BCC 007 Compile and submit the annual Air Quality Status Report to UK Government (DEFRA)	No change