

**Manchester City Council  
Report for Information**

**Report to:** Environment and Climate Change Scrutiny Committee – 27 May 2021

**Subject:** Manchester Climate Change Framework 2020-25:  
latest progress and priorities 2021/22+

**Report of:** Chair, Manchester Climate Change Partnership  
Deputy Director, Manchester Climate Change Agency

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**Summary**

This report provides an overview of progress against the Manchester Climate Change Framework 2020-25 and priorities for 2021/22+.

**Recommendations**

The Committee is requested to:-

1. Note citywide progress during 2019/20 (Section 2).
  2. Note the Manchester Climate Change Partnership and Agency's progress during 2020/21 (Section 3).
  3. Note the recently launched Zero Carbon Communities Programme and promote it to local residents through ward structures and other appropriate channels (Sections 4.1-4.19).
  4. Note the development of the Manchester Climate Change Youth Board Manifesto and its planned launch in Summer 2021 (Sections 4.20-4.26).
  5. Note the development of a new Zero Carbon Business Programme and its planned launch in January 2022 (Sections 4.27-4.31).
  6. Note the planned expansion of Manchester Climate Change Partnership and promote it to businesses and other organisations (Section 4.32).
  7. Promote the public consultations planned for July to August 2021 and October to November 2021 to support the refresh of the Manchester Climate Change Framework 2020-25 and development of the Implementation Plan for 2022-25 (Section 4.33-4.37).
  8. Discuss the development of Framework 2.0 at future Committee meetings, as outlined in Section 4.38.
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**Wards Affected:** All

**Environmental Impact Assessment** - the impact of the issues addressed in this report on achieving the zero-carbon target for the city

This report is based on the Manchester Climate Change Framework 2020-25 and progress towards its implementation. The Framework’s aim is that ‘Manchester will play its full part in limiting the impacts of climate change and create a healthy, green, socially just city where everyone can thrive.’ And includes the carbon reduction objective: ‘To ensure that Manchester plays its full part in helping to meet the Paris Agreement objectives by keeping our direct CO<sub>2</sub> emissions within a limited carbon budget, taking commensurate action on aviation CO<sub>2</sub> emissions and addressing our indirect / consumption-based carbon emissions.’

<b>Manchester Strategy outcomes</b>	<b>Summary of how this report aligns to the OMS</b>
A thriving and sustainable city: supporting a diverse and distinctive economy that creates jobs and opportunities	The Framework includes the objective: ‘To ensure that Manchester establishes an inclusive, zero carbon and climate resilient economy where everyone can benefit from playing an active role in decarbonising and adapting the city to the changing climate.’
A highly skilled city: world class and home grown talent sustaining the city’s economic success	The Framework includes the objective: ‘To ensure that Manchester establishes an inclusive, zero carbon and climate resilient economy where everyone can benefit from playing an active role in decarbonising and adapting the city to the changing climate.’
A progressive and equitable city: making a positive contribution by unlocking the potential of our communities	The Framework includes the objective: ‘To improve the health and wellbeing of everyone in Manchester through actions that also contribute to our objectives for CO <sub>2</sub> reduction and adaption and resilience, with particular focus on those most in need.’
A liveable and low carbon city: a destination of choice to live, visit, work	The Framework includes the objective: ‘To improve the health and wellbeing of everyone in Manchester through actions that also contribute to our objectives for CO <sub>2</sub> reduction and adaption and resilience, with particular focus on those most in need.’
A connected city: world class infrastructure and connectivity to drive growth	The Framework’s ‘Transport and Flying’ section sets out five headline action: ‘Increase walking and cycling; Increase public transport use; Private vehicles; Rail connections to other cities within the UK and Europe (and beyond); work with UK Government to ensure that flights from Manchester Airport and all UK airports are fully in line with the Paris Agreement.’

**Contact Officers:**

Name: Tom Flanagan  
Position: Interim Director, Manchester Climate Change Agency  
Telephone: 07957 982 069  
E-mail: [tom.flanagan@manchesterclimate.com](mailto:tom.flanagan@manchesterclimate.com)

Name: Jonny Sadler  
Position: Deputy Director, Manchester Climate Change Agency  
Telephone: 0757 241 9150  
E-mail: [jonny.sadler@manchesterclimate.com](mailto:jonny.sadler@manchesterclimate.com)

**Background documents (available for public inspection):**

The following documents disclose important facts on which the report is based and have been relied upon in preparing the report. Copies of the background documents are available up to 4 years after the date of the meeting. If you would like a copy please contact one of the contact officers above.

Manchester Climate Change Framework 2020-25  
[www.manchesterclimate.com/framework-2020-25](http://www.manchesterclimate.com/framework-2020-25)

Manchester Climate Change Annual Report 2020  
[www.manchesterclimate.com/progress](http://www.manchesterclimate.com/progress)

## 1.0 Introduction and Background

1.1 The Our Manchester Strategy sets out the commitment that *'Manchester will play its full part in limiting the impacts of climate change.'*

1.2 The responsibility for developing and facilitating the delivery of the citywide strategy to fulfil this commitment is devolved to the Manchester Climate Change Partnership (the Partnership, MCCP) and Manchester Climate Change Agency (the Agency, MCCA).

1.3 In February 2020, the Partnership and Agency published Version 1.0 of the Manchester Climate Change Framework 2020-25 as the city's high-level strategy for achieving the commitment to 'play our full part'.

1.4 Framework 1.0 was endorsed by Manchester City Council's Executive in March 2020, formally establishing it as the city's climate change strategy.

1.5 The Framework's aim is:

*'Manchester will play its full part in limiting the impacts of climate change and create a healthy, green, socially just city where everyone can thrive.'*

1.6 The Framework sets out four headline objectives:

1) Staying within our carbon budgets:

'To ensure that Manchester plays its full part in helping to meet the Paris Agreement objectives by:

- keeping our direct CO<sub>2</sub> emissions within a limited carbon budget,
- taking commensurate action on aviation CO<sub>2</sub> emissions and
- addressing our indirect / consumption-based carbon emissions.'

2) Climate adaptation and resilience

'To adapt the city's buildings, infrastructure and natural environment to the changing climate and to increase the climate resilience of our residents and organisations.'

3) Health and Wellbeing

'To improve the health and wellbeing of everyone in Manchester through actions that also contribute to our objectives for CO<sub>2</sub> reduction and adaption and resilience, with particular focus on those most in need.'

4) Inclusive, Zero Carbon and Climate Resilient Economy

'To ensure that Manchester establishes an inclusive, zero carbon and climate resilient economy where everyone can benefit from playing an active role in decarbonising and adapting the city to the changing climate.'

1.7 And six priority areas for action:

1. Buildings (existing and new)
2. Renewable energy
3. Transport and flying
4. Food
5. The things we buy and throw away
6. Green infrastructure and nature-based solutions

1.8 Approach to implementation – bottom-up and top-down:

1.9 The Framework sets out that the approach to making progress in these six areas will be through a combination of ‘bottom-up’ and ‘top-down’ actions:

**1.10 Bottom-up – engaging and mobilising residents and businesses**

1.11 Every individual and organisation in the city needs to play their part in helping the city to meet its targets, and, at the same time, realising the wider financial, health and wellbeing benefits that will also come as a result. The Agency has developed a list of 15 Actions for every individual and organisation in the city to take: [www.manchesterclimate.com/15-actions](http://www.manchesterclimate.com/15-actions).

**1.12 Top-down – removing barriers**

1.13 There will be occasions when structural or systemic barriers prevent or limit the city’s residents and businesses from fully delivering the 15 Actions. In these instances, new ‘top-down’ or strategic interventions are needed to remove the barriers. For example, the delivery of new cycling infrastructure to enable residents to cycle safely, changes in school or council policy to enable school children to follow a plant-based diet, changes in national policy and legislation to incentivise business investments in energy efficiency improvements.

**1.14 Facilitating the implementation of the Framework**

1.15 The Framework’s implementation is championed and facilitated by the Agency and Partnership. The preferred approach is to work with existing structures and organisations, as far as possible. However, whenever required, the Partnership and Agency work with partners to create new structures and partnerships to ensure the successful delivery of the Framework.

**2.0 Latest Progress – citywide progress 2019/20**

2.1 The Agency and Partnership produce an annual report covering progress against their own objectives and the city’s objectives. The citywide data is based on analysis by the Partnership’s two independent advisory groups<sup>1</sup>: the Zero Carbon Advisory Group, and the Adaptation and Resilience Advisory Group.

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<sup>1</sup> <https://www.manchesterclimate.com/advisory-groups>

2.2 The latest report was published in July 2020, setting out citywide progress during 2019/20. It is provided as Appendix 1 to this report and available from the link in Section 6.

2.3 Headlines from the 2020 report include:

2.4 Direct CO<sub>2</sub> emissions – overall:

- 40% reduction 2005 to 2019, on track for the 41% target for 2020.
- 2018 and 2019: 2% and 4% (estimated) reductions in emissions, versus 13% annual target.
- 26% of Manchester's carbon budget for 2018-2100 was used in 2018 and 2019.
- 58% of Manchester's carbon budget for 2018-2022 was used in 2018 and 2019.
- In order to stay within our carbon budget for 2018-2100 reductions of 14.8% per year now need to be achieved.

2.5 Direct CO<sub>2</sub> emissions – buildings:

- Emissions from industrial, commercial and domestic buildings reduced by 41% during 2010 to 2018.
- Emissions from electricity use reduced by 58% during 2010 to 2018, associated mainly with the decarbonisation of national electricity generation and supply (i.e. the continued shift away from coal).
- Emissions from gas use reduced by 18% during 2010 to 2018, reflecting the need for more progress in decarbonising heating and hot water.

2.6 Direct CO<sub>2</sub> emissions – renewable energy:

- In 2019, 21MW of solar photovoltaics (PV) were installed in Manchester.
- Only 3% of Manchester's domestic properties have solar PV installed.

2.7 Direct CO<sub>2</sub> emissions – ground transport:

- Only 6% reduction between 2010 and 2018.

2.8 Aviation emissions:

- In 2019, UK aviation emissions are projected to have increased by 2.9%.
- In 2019, flights from Manchester Airport are estimated to have increased by 4.5%.
- 4.8% of flights taken from Manchester Airport relate to Manchester residents.
- Of all the flights taken by Manchester residents, 88% are from Manchester Airport, 12% are from other UK airports.

## 2.9 Consumption-based emissions:

- Data is not yet available to accurately monitor progress against Manchester's consumption-based emissions objective.
- However, they are estimated to be 60% higher than direct emissions.
- Further work has been undertaken in 2021<sup>2</sup> and Manchester's consumption-based emissions are understood to be from five main hotspots: food and drink, waste and wastewater, construction, other goods and materials, and transport beyond the city.
- Dr Joe Blakey from the Zero Carbon Advisory Group and University of Manchester is seeking funding to further develop our understanding of progress and the further action needed on Manchester's consumption-based emissions.

2.10 Data for 2020/21: This data is not yet available. The 2021 Manchester Climate Change Annual Report will cover citywide progress in 2020/21 and will be published in September 2021.

## 3.0 Latest Progress – Partnership and Agency Progress Summary 2020/21

3.1 The following section provides a summary of Manchester Climate Change Partnership and Agency's key activities during 2020/21. Further details will be provided in the Annual Report 2021, which will be published in September 2021.

3.2 The Partnership appointed a new chair, Mike Wilton, in November 2020. Mike is the Office Leader for Arup Manchester, an employee-owned global engineering and design consultancy. Mike has been part of several of Manchester's regeneration projects over the last 30 years.

3.3 An updated set of terms of reference (ToRs) for the Partnership were published in March 2021. Their development was underpinned by two objectives: to increase the proportion of Manchester's CO<sub>2</sub> emissions involved in the Partnership, and to engage all organisations (not just businesses) who have a commitment to climate action and collaboration with others. The ToRs are available from [www.manchesterclimate.com/MCCP](http://www.manchesterclimate.com/MCCP).

3.4 The following section provides an overview of progress against the Partnership's objectives.

3.5 *Objective 1 – Targets: Ensure the city maintains targets based on the Paris Agreement and the latest science, informed by the advice of the Partnership's Independent Advisory Groups, and the council's objectives for diversity, inclusion and social justice.*

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<sup>2</sup> [www.manchesterclimate.com/green-recovery/decarbonising-consumption](http://www.manchesterclimate.com/green-recovery/decarbonising-consumption)

- 3.6 The targets in the Manchester Climate Change Framework 2020-25 are based on the recommendations of the Zero Carbon and Adaptation and Resilience Advisory Groups, in line with the latest science and the Paris Agreement<sup>3</sup>.
- 3.7 In December 2020 Manchester was one of the first 500 cities globally to join the Race to Zero<sup>4</sup>. The criteria include following an internationally recognised methodology for target-setting; in Manchester's case, the Tyndall Centre for Climate Change Research methodology.
- 3.8 The Adaptation and Resilience Advisory Group are preparing for the launch of the Race to Resilience<sup>5</sup>, a new sister initiative to the Race to Zero. The Group are planning to review Race to Resilience and make recommendations on Manchester's potential participation.
- 3.9 Funding has been secured from UK Research and Innovation to further develop Manchester's climate adaptation and resilience objective to better enable progress to be measured and to ensure the city is on track. This work is being undertaken by Dr Paul O'Hare from Manchester Metropolitan University, on secondment to the Agency during 2021<sup>6</sup>.
- 3.10 *Objective 2 – Strategy and Implementation Plan: Develop a Manchester Climate Change Strategy and Implementation Plan to meet the city's science-based targets, built on the views of the city's stakeholders, and a governance structure for the successful delivery of that Plan.*
- 3.11 The Partnership has delegated responsibility from the Our Manchester Forum to develop and facilitate the delivery of Manchester's strategy to ensure the city 'plays its full part in limiting the impacts of climate change'. The Agency has day-to-day responsibility for the delivery of this role, working with and on behalf of the Partnership.
- 3.12 The Partnership and Agency published Version 1.0 of the Manchester Climate Change Framework 2020-25 in February 2020<sup>7</sup>. It was formally endorsed by Manchester City Council's Executive in March 2020<sup>8</sup>.
- 3.13 Version 2.0 of the Framework and a new Implementation Plan for 2022-25 are being produced during 2021. Further information is provided in Sections 4.33-4.37 below.
- 3.14 *Objective 3 – Action: Champion the delivery of the Strategy and Implementation Plan by raising awareness and promoting urgent and sustained action within the private sector, public sector, third sector, education sector, academia, and in all communities.*

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<sup>3</sup> [www.manchesterclimate.com/targets](http://www.manchesterclimate.com/targets)

<sup>4</sup> [www.manchesterclimate.com/racetozero](http://www.manchesterclimate.com/racetozero)

<sup>5</sup> <https://racetozero.unfccc.int/race-to-resilience/>

<sup>6</sup> <https://nerc.ukri.org/funding/application/currentopportunities/uk-climate-resilience-embedded-researcher-scheme-phase-two-embedded-researchers/>

<sup>7</sup> <https://www.manchesterclimate.com/framework-2020-25>

<sup>8</sup> <https://democracy.manchester.gov.uk/ieListDocuments.aspx?CId=147&MId=625&Ver=4>



- 3.15 The Partnership has been designed to directly engage with organisations, sectors and communities across the city and support and influence them to take action. There are currently 70 members, from across 11 sectors, with collective responsibility for over 20% of the city's direct CO<sub>2</sub> emissions, and with routes to influence some of the remaining 80%.
- 3.16 To date, sub-groups and working groups have been established for:
- Property: currently working on the development of a roadmap for all new developments to be zero carbon from 2023.
  - Culture: the Manchester Arts Sustainability Team was established in 2011 and has recently been part of an EU-funded project, C-Change, to promote its work and support replication in five other European cities.
  - Sport and leisure: Manchester City Football Club are currently scoping the establishment of a new sport and leisure group.
  - Corridor Manchester: a Zero Carbon group has been established to facilitate joint-working by the Corridor partners.
  - Social housing: Manchester Housing Providers Partnership established a Zero Carbon Group in 2019 to facilitate joint working.
  - Faith: the Our Faith Our Planet group was established in 2018.
- 3.17 A summary of some Partnership members' progress during 2020/21 is provided in Appendix 2 in Section 7.
- 3.18 *Objective 4 – Action: Where actions within the Implementation Plan are within the control of the Manchester community, take responsibility for initiation of those actions by engaging and influencing relevant partners and networks, and by providing support to secure the resources required for action.*
- 3.19 Bottom-up engagement and support programmes:
- 3.20 The Partnership and Agency are developing three programmes to engage, support, influence and enable the city's residents and organisations to take action. These are designed to support the 'bottom-up' dimension of the Framework's implementation. Further information is provided in Section 4.0 on the three programmes:
- Zero Carbon Communities Programme
  - Manchester Climate Youth Board Manifesto and Programme
  - Zero Carbon Business Programme
- 3.21 Top-down / Removing Barriers – Manchester City Council Climate Change Action Plan 2020-25
- 3.22 In addition to the above 'bottom-up' programmes, Manchester City Council have committed to deliver a range of 'top-down' actions to remove the barriers that are currently limiting and preventing resident and business action. These actions are set out in the 'Influencing behaviour and being a catalyst for change' section of the Manchester City Council Climate Change Action Plan

2020-25<sup>9</sup>. The Plan was approved by the Council's Executive Committee in March 2020, alongside the endorsement of the citywide Framework. Work is planned to further develop the Council's action plan, as part of the development of Framework 2.0. See section 4.33-4.37 for further information.

- 3.23 *Objective 5 – Action: Where actions within the Implementation Plan are outside the direct control of the Manchester community, working collaboratively with colleagues in Greater Manchester, the Partnership will take responsibility for engaging with the responsible bodies to secure their active involvement and to offer, where appropriate, to mobilise the support of the Manchester community for the achievement of the action. In parallel, to monitor the progress of the responsible body towards achievement of the action, and report to the Manchester community on that progress.*
- 3.24 Activities under this objective form part of the Partnership and Agency's contribution to the 'top-down' / removing barriers dimension of the Framework's implementation, in addition to the actions the City Council will deliver.
- 3.25 Greater Manchester:
- 3.26 The Greater Manchester Combined Authority has statutory responsibility for strategic policy including land-use and transport planning, as discharged through the forthcoming Places for Everyone strategic development plan and the GM2040 Local Transport Plan. It also facilitates significant business growth and place-based investment particularly through the GM Housing Investment Fund and associated programmes. The Partnership and Agency are active in seeking to influence and shape these policy and investment programmes to ensure that they are designed to align with the Manchester Climate Change Framework 2020-25 priorities.
- 3.27 Manchester City Council is a member of a number of Greater Manchester groups, including the Green City-region Board. This ensures that Manchester can benefit from participating in GM-wide programmes as well as piloting new initiatives that can subsequently be rolled out across the other districts. A recent example of this approach in action is MCC and GMCA working together to secure £78m from the Government's Public Sector Decarbonisation Scheme, £23m of which was for MCC buildings.
- 3.28 UK and UK Government:
- 3.29 Research by the Coalition for Urban Transitions<sup>10</sup> estimates that for cities around the world to realise their climate ambitions the powers and responsibilities for action, when decarbonisation of the electricity supply is included, are:
- 14% with the city

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[https://secure.manchester.gov.uk/info/500002/council\\_policies\\_and\\_strategies/3833/climate\\_change/4](https://secure.manchester.gov.uk/info/500002/council_policies_and_strategies/3833/climate_change/4)

<sup>10</sup> <https://urbantransitions.global/en/publication/climate-emergency-urban-opportunity>

- 67% with the national government
  - 19% through working together
- 3.30 On that basis, the Manchester Climate Change Framework 202-25 (Version 1.0) sets out a commitment for Manchester to establish a new partnership with Government. The Partnership and Agency has delivered the following activities to support this work.
- 3.31 Manchester Economic Recovery and Investment Plan: the Plan sets out a list of £800m of projects to support the city's economic recovery. This includes £290m green recovery projects that were developed by the Partnership and Agency with local partners.
- 3.32 Place-based Climate Action Network: The P-CAN project is supporting UK cities and towns to develop local structures and plans for action on climate change, and to build a stronger working relationship with national government. Manchester is one of the network members, represented by the Agency. A joint bid has been submitted with P-CAN members to showcase the Partnership and Agency at COP26 in November 2021.
- 3.33 UK100: UK 100 is a network of 100 UK local authorities committed to action on climate change, including Manchester City Council. UK 100 are developing a Net Zero Delivery Framework to better enable local and national government to collaborate on climate action, as recommended by the Committee on Climate Change<sup>11</sup>. The Agency will be contributing to this work and aligning Framework 2.0 to help strengthen any policy and funding asks of national government.
- 3.34 *Objective 6 – Progress reporting: Provide evidence based and transparent reports on the city's progress against its climate change strategy and implementation plan, drawing on analysis by the Partnership's Independent Advisory Groups.*
- 3.35 The Partnership and Agency has produced annual progress reports since 2015. They are available from [www.manchesterclimate.com/progress](http://www.manchesterclimate.com/progress).
- 3.36 Ongoing news stories and updates are also provided at [www.manchesterclimate.com/news](http://www.manchesterclimate.com/news) and via social media: <https://twitter.com/mcrclimate>; [www.facebook.com/McrClimate](https://www.facebook.com/McrClimate).
- 3.37 *Objective 7 – World class: Aspire to establish Manchester as a world class city for action on climate change by 2025, in line with the Our Manchester Strategy vision.*
- 3.38 Race to Zero: Manchester was one of the first 500 cities to join the UN and UK Government's Race to Zero campaign, in December 2020. The commitment was originally proposed by the Agency, and formally made, on behalf of the city, by Manchester City Council.

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<sup>11</sup> [www.theccc.org.uk/publication/local-authorities-and-the-sixth-carbon-budget/](http://www.theccc.org.uk/publication/local-authorities-and-the-sixth-carbon-budget/)

- 3.39 Race to Resilience: the Manchester Adaptation and Resilience Advisory Group is awaiting the launch of the Race to Resilience campaign and will be making recommendations to Manchester Climate Change Partnership on Manchester's potential participation.
- 3.40 City-Business Climate Alliance: Manchester is one of eight global cities selected to participate in the first phase of the City-Business Climate Alliance (CBCA)<sup>12</sup>. CBCA is an initiative of the C40 Cities network, CDP and World Business Council for Sustainable Development, to accelerate business climate action in cities. Manchester's participation will support Partnership members to act and help identify new members to broaden the Partnership's reach. It will also help to shape the developing 'CBCA Model' and will be shared with the other cities in the wider CBCA network. Manchester's participation is led by the Agency, on behalf of the City Council and the city more widely.
- 3.41 Zero Carbon Cities project<sup>13</sup>: Manchester is leading the EU-funded ZCC project, to support six other European cities to set targets in line with the latest science and Paris Agreement. The project and funding bid were developed by the Agency in 2019.
- 3.42 GrowGreen project<sup>14</sup>: Manchester is leading the EU-funded GrowGreen project, to support five other European cities to deliver nature-based solutions to help increase resilience to the changing climate. The 'park that drinks water' in West Gorton has been delivered as part of GrowGreen and has been inspired by the Sponge Cities programme in Manchester's Chinese sister city, Wuhan. The project and funding bid were developed by the Agency in 2015.
- 3.43 C-Change project<sup>15</sup>: Manchester is leading the EU-funded GrowGreen project, to support five other European cities to engage and mobilise their culture sectors to take action on climate change. The project and funding bid were developed by the Agency in 2018.
- 3.44 CDP-ICLEI Unified Reporting Platform<sup>16</sup>: reporting to the Platform is the international best practice for city climate change progress reporting. The Agency has reported Manchester's progress since 2019 and is one of 812 global cities and 33 UK cities to report in 2020<sup>17</sup>.

#### 4.0 Partnership and Agency Priorities 2021/22+

##### 4.1 Residents and communities – Zero Carbon Communities Programme

##### 4.2 Overview

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<sup>12</sup> [www.city-businessclimatealliance.org/](http://www.city-businessclimatealliance.org/)

<sup>13</sup> <https://urbact.eu/zero-carbon-cities>

<sup>14</sup> <http://growgreenproject.eu/>

<sup>15</sup> <https://urbact.eu/c-change>

<sup>16</sup> <https://www.manchesterclimate.com/gcom-cdp-reports>

<sup>17</sup> [www.cdp.net](http://www.cdp.net)

- 4.3 The Zero Carbon Communities Programme is Manchester's largest community-focused climate change programme.
- 4.4 The aim of the programme is to support residents and communities to help make Manchester a zero carbon city and create a toolkit of tried and tested initiatives that can be replicated by communities across the UK.
- 4.5 Phase 1 of the programme launched on Monday 10<sup>th</sup> May 2021 as 'In Our Nature'. The online hub for the programme is the Commonplace community engagement portal (see <https://zerocarbonmanchester.commonplace.is>), which provides practical information to help people to take part and have their say on the programme's development.
- 4.6 In Our Nature runs for one-year, until May 2022. It will bring together a coalition of local and national partners including local social enterprises and charities Groundwork and Sow the City. The programme is funded by a range of funding partners, including the National Lottery, the Esmee Fairbairn Foundation, Garfield Weston Foundation, Wates Enterprise Family Trust, the Co-op, and others.
- 4.7 The programme is currently being piloted across six communities: Hulme, Levenshulme, the Northern Quarter, Moss Side, Rusholme, and Miles Platting and Newton Heath.
- 4.8 In Our Nature's development and delivery is led by MCCA, bringing together a team of delivery partners to support and enable community-led climate action. The partners' expertise covers carbon accounting to community engagement and campaigns, to policy development and fundraising. For further details on the partnership members see <https://zerocarbonmanchester.commonplace.is/project-team>.
- 4.9 During 2021/22 In Our Nature will:
- Deliver a city-wide communications campaign giving residents provide practical tips, hacks and advice to help them save money, improve their health, strengthen community cohesion, make life easier and improve the appearances of neighbourhoods.
  - Support six climate action groups in Hulme, Moss Side and Rusholme, Newton Heath and Miles Platting, Levenshulme, and the Northern Quarters to work together to develop and lead projects which respond to the climate emergency.
  - Deliver a series of behaviour change projects in communities including the launch of community fridges to tackle food waste, a Nature Takeover, setting up a Tiny Forest, a project supporting novice gardeners to make their home greener and wilder, a planting kit giveaway and more.
- 4.10 **Supporting community-led climate action**
- 4.11 Each of the six communities will have a tailored package to support residents to develop climate action plans, provide seed funding for practical action, and

join a citywide movement for urgent climate action. The programme will be led by local people from every part of the community, including local community groups, education establishments and faith groups.

- 4.12 Amity CIC are providing a support programme for up to 12 people in each of the 6 pilot areas with a structured engagement package called “Inspired Community Action”. This package will also include advice and guidance from the Tyndall Centre for Climate Change Research, setting out the resident and community-led actions that will help to achieve the city’s annual 15% CO<sub>2</sub> reduction targets.
- 4.13 The programme aims to put communities at the heart of climate action and support them to reduce CO<sub>2</sub> emissions through a combination of behaviour change and the removal of structural and systemic barriers that are currently limiting and preventing action.
- 4.14 Communications is a vital part of the programme, led by Hubbub. Hubbub have developed strong relationships with local partners and communities and will be supporting residents across the city to get involved and sharing our communities’ voices.
- 4.15 The “Stories we Love” campaign<sup>18</sup> and “Tips for Change”<sup>19</sup> areas of the Commonplace engagement portal provide excellent resources and support for everyone in the city to understand the key issues of climate action and start to take action.

#### 4.16 **Call to action – promote to your communities**

The success of the programme lies in developing a programme that is interesting, relevant, informative and engages with the city’s resident across the board, not just to those who are interested in environmental matters or climate change. The Agency are asking partners and other organisations across the city to help raise awareness of the programme and to encourage Manchester residents and communities to get involved. This can be done by signing up to the newsletter and following our social media platforms.

#### 4.17 **Call to action for residents**

Visit the online hub for the programme at <https://zerocarbonmanchester.commonplace.is> and follow @InOurNatureMCR on social media to find tips and advice, and share ideas on what residents want to see in their communities.

#### 4.18 **Call to action for community groups / stakeholders**

As above, plus apply for grant funding at <https://zerocarbonmanchester.commonplace.is/proposals/community-grant/step1>

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<sup>18</sup> <https://zerocarbonmanchester.commonplace.is/proposals/stories-we-love/step1>

<sup>19</sup> <https://zerocarbonmanchester.commonplace.is/proposals/tips-for-change/step1>

#### 4.19 **Call to action for organisations / partners**

Organisations interested in supporting the programme can contact the Agency at [hello@manchesterclimate.com](mailto:hello@manchesterclimate.com).

#### 4.20 **Young People – Youth Board Manifesto and Programme**

4.21 The Manchester Climate Change Youth Board brings together 13-28 years olds from across the city who are passionate about ensuring Manchester plays its full part on climate change<sup>20</sup>.

4.22 Members of the Youth Board sit on the Manchester Climate Change Partnership. They represent the city's young people and ensure that Partnership members are also playing their full part on climate change.

4.23 The Youth Board have three main workstreams for 2021/22: Manifesto Launch, Board Communications Plan and, Manifesto Implementation.

#### 4.24 **Manifesto Launch**

The Youth Board has developed its first ever Manifesto, setting out its priorities for 2021/22. The Board have agreed an outline timetable for the Manifesto to be launched in two phases. A soft digital launch in June and July 2021 is planned via the Youth Board's social media. This will build up to the physical launch of the Manifesto via a physical event in August 2021, with young people and city leaders, COVID restrictions allowing. Further details will be shared via [www.manchesterclimate.com](http://www.manchesterclimate.com) and the Youth Board's social media channels, including Twitter @McrClimateYB.

#### 4.25 **Board Communications Plan**

The Youth Board recognises that their profile is growing across the city, leading to increased social media engagements across a number of platforms, particularly with other groups and organisations within the youth-focused sector. Accordingly, the Youth Board have committed to developing and implementing a new communications plan from June 2021.

#### 4.26 **Manifesto Implementation**

Following the launch of the Manifesto, the Youth Board will develop and deliver an accompanying implementation plan. The plan will set out the resources and actions required to take forward each Manifesto priority.

#### 4.27 **Businesses – Zero Carbon Business Programme**

4.28 A new Manchester Zero Carbon Business Programme is in development during 2021, to support Manchester businesses to take action on climate change in line with the city's commitments and the Paris Agreement.

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<sup>20</sup> [www.manchesterclimate.com/youth-board](http://www.manchesterclimate.com/youth-board)

- 4.29 The programme is being supported through Manchester's participation in the City-Business Climate Alliance initiative (see Section 3.40) to help ensure alignment with the Paris Agreement and the latest international best practice.
- 4.30 A workshop was held in March 2021 to better understand the needs of Manchester businesses and to begin to scope the programme. The workshop report and next steps will be available from [www.manchesterclimate.com/zero-carbon-business-programme](http://www.manchesterclimate.com/zero-carbon-business-programme) in June 2021.
- 4.31 Funding bids are currently in development, with a view to the programme launching in January 2022.

4.32 **Manchester Climate Change Partnership Expansion 2021**

The Partnership will be inviting applications for new members to join. Further details will be available at [www.manchesterclimate.com](http://www.manchesterclimate.com) from Summer 2021.

4.33 **Framework 2.0 and Implementation Plan 2022-25**

- 4.34 Framework 1.0 was published in February 2020 and sets out '...we know this Framework would benefit from further details on what needs to be achieved and by when. It is intended these details will be developed as part of a refreshed version of this Framework.'
- 4.35 Framework 2.0 is being produced in order to provide this additional detail, and to develop an accompanying Implementation Plan for 2022-25.
- 4.36 Framework 2.0 will be made up of five key components:
- 1) Aim
  - 2) Headline objectives: CO<sub>2</sub> reduction; climate adaptation and resilience; health; economy
  - 3) Thematic objectives: buildings; renewable energy; transport; food; the things we buy and throw away; green infrastructure and nature-based solutions
  - 4) Bottom-up: actions for all residents and businesses
  - 5) Top-down / removing barriers: Implementation Plan 2022-25
- 4.37 The project will kick-off in June 2021 and will be delivered according to the following key milestones:
- June 2021: project kick-off
  - June to July 2021: 'Thematic Objectives' and 'Actions for resident and businesses' developed
  - July to August 2021: Consultation 1 asking residents and businesses two key questions: 'Which actions are you already delivering?' and 'Which barriers are limiting/preventing you from taking action?'
  - September 2021: draft Implementation Plan 2022-25



- October to November 2021: Consultation 2 on the draft Implementation Plan, asking residents and businesses, 'Are these the right actions to remove your barriers'?
- January/February 2022: final Framework 2.0 and Implementation Plan 2022-25 published
- February/March 2022: presented to MCC Environment and Climate Change Scrutiny Committee for comments
- March 2022: presented to MCC Executive Committee for formal endorsement

4.38 The Committee are asked to schedule items at future meetings to discuss the development of Framework 2.0. The Partnership and Agency would suggest October 2021 to discuss consultation 2, on the draft Implementation Plan, and February/March 2022 to discuss the final draft Framework and Implementation Plan.

#### 4.39 **Greater Manchester Joint-working**

4.40 The Partnership and Agency will work with MCC and with GMCA directly to increase Manchester participation in the development and delivery of Greater Manchester projects and programmes.

#### 4.41 **UK Government Joint-working**

4.42 Local-National Government Net Zero Delivery Framework: The Partnership and Agency will work with MCC and UK100 to ensure the Net Zero Delivery Framework includes Manchester actions from the Manchester Implementation Plan 2022-25.

### 5.0 **Recommendations**

5.1 Recommendations are at the front of this report.

## **6.0 Appendix 1 – Manchester Climate Change Annual Report 2020**

6.1 The full Manchester Climate Change Annual Report 2020 is available from [www.manchesterclimate.com/progress](http://www.manchesterclimate.com/progress).

## **7.0 Appendix 2 – Summary of Manchester Climate Change Partnership Members Progress 2021/22**

### **7.1 Bruntwood**

7.2 During 2020 and to date in 2021 Bruntwood has:

7.3 In 2019 we began working with Carbon Trust to set Science Based Targets (SBTs). Since then we have reduced our carbon emissions by 21%. This year we are re-baselining our SBT's, working with Carbon Intelligence. Whilst setting SBT's is an important step in reducing overall emissions, it's key that these are reviewed and re-baselined as our portfolio expands and contracts, ensuring we continue to stay aligned to the Paris Agreement.

7.4 Achieved ISO 50001 certification, integrating energy management to help us to use energy more efficiently and set targets for reduction.

7.5 Worked with Farm Urban to install the UK's first hydroponic edible wall in a workspace.

7.6 Deployed solar PV installations at Bruntwood properties Atria, Landmark, Station House, Booth's Park, Lancastrian, Innovation Birmingham, and Sale Point.

7.7 Continued to roll out EV charging at a number of our buildings. We are planning to continue installing EV charging points to meet customer demand for increased electric vehicle usage and as travel patterns continue to change.

7.8 Received carbon negative certification for fit-outs at Circle Square.

7.9 Developed a new appraisals model for net zero carbon (NZC) buildings and developed a plan for NZC 2030.

### **7.10 MAST – Manchester Arts Sustainability Team**

7.11 Our network has grown to over 50 organisations working collectively across the city-region and we have been supporting emerging networks in other cities including Leeds, Liverpool and Oxford who have been inspired by our work to date. In February 2020 the Manchester Cultural Leaders Group, chaired by the city's Director of Culture, agreed to prioritise the climate and ecological crisis as well as endorse the targets set out in the Manchester Climate Change Framework 2020-25.

7.12 C-Change – Arts and Culture Leading Climate Action in Cities sees the MAST practice applied to an 'URBACT Transfer Network', a network of five other European cities looking to learn from Manchester's approach to engaging and mobilising a city's culture sector.

7.13 Manchester City Council, working with MAST, led the network and this has offered the opportunity to take our model to the next level. We have focused

on capacity-building and leadership in the sector through training and the development of resources available via a new G(reater)MAST website. It is also aimed at other cities and their cultural sectors and will be open source.

- 7.14 We also co-funded a programme of cultural community engagement projects aimed at educating and inspiring behaviour change in Manchester citizens. The legacy of this project gives us new and lasting relationships with MCC.
- 7.15 In September 2021 we will formally launch our new online home, 10 Years of cultural collaboration and our sector's more detailed response to the Manchester Climate Change Framework. We will look to this critical next decade in advance of COP 26 and Arts Council England's National Portfolio Round.
- 7.16 **Manchester City Council**
- 7.17 Since declaring a Climate Emergency, the Council has set about transforming the way it works to ensure that climate change is at the heart of the organisation and our work with partners, residents and with our young people. The Our Manchester Strategy and our Corporate Plan priorities have both been refreshed to reflect the city's zero carbon ambitions, resulting in the inclusion of a new 'Zero Carbon Manchester' priority.
- 7.18 We are one-year into delivering our ambitious Climate Change Action Plan 2020-25, which includes action from across all parts of the Council. The policies, plans, infrastructure and funding are now being put in place to support the city to transition to zero carbon. Highlights from the past 12 months include:
- 7.19 Completion of the first phase of our Estates Decarbonisation Plan, investing £6.3m into capital works that will deliver 1,400 tonnes of annual CO<sub>2</sub> savings and £700k of annual cost savings.
- 7.20 Securing £23m of Public Sector Decarbonisation Scheme funds from UK government to support energy efficiency improvements, the decarbonisation of heat and the installation of renewable energy generation assets across 11 Council buildings.
- 7.21 £32.8m investment programme to replace 56,000 streetlights with LED lamps was completed in September 2020 and is projected to save over 8,400 tonnes CO<sub>2</sub> and £2m every year for the Council.
- 7.22 A joint bid between the Council and registered housing provider One Manchester to the Social Housing Decarbonisation Fund secured £3.12m towards a £7m project to undertake a full retrofit of 96 social housing properties and a partial retrofit to 60 private properties.
- 7.23 The Council invested £9.8m into 27 electric refuse collection vehicles which will save approximately 900 tonnes CO<sub>2</sub> per annum. Electric charging

infrastructure has now been installed at two depots and the Council's wider operational fleet now has 10 electric vehicles with a further 14 expected.

- 7.24 An ambitious City Centre Transport Strategy was approved in March 2021 following major consultation during 2020. The strategy sets out ambitious plans to improve air quality, increase the amount of quality public space and prioritise walking, cycling and public transport to further reduce dependence on private cars.
- 7.25 £5.5m of funding via the Government Active Travel Fund has been secured for the City Centre Triangle to improve cycling and walking links between the city centre's train and bus interchanges and cycling and walking improvements between Wythenshawe town centre, Wythenshawe Hospital and the city centre.
- 7.26 The £13.4m Chorlton to Manchester City Centre cycling route, which includes the UK's first 'Cycle Optimised Protected Signals' (CYCLOPS) junction at Royce Road in Hulme, has been completed.
- 7.27 In March 2020, the Council's Executive approved a new Social Value Policy, which includes a new 30% weighting for social value with 10% attributed to environment. This is being rolled out over the second half of 2021.
- 7.28 The Horizon 2020 funded West Gorton 'Sponge Park' officially opened on 24<sup>th</sup> July 2020. The University of Manchester will be monitoring the benefits it delivers until 2023. The Park is an innovative example of how nature-based solutions can be used to adapt to climate change, boost biodiversity and improve resident health and wellbeing. The project has been co-developed with West Gorton residents.
- 7.29 The Council set an ambitious target to plant 1,000 trees, 1,000 hedge trees and 4 orchards per annum during 2020-25 and committed £1m to fund the planting programme over the next three financial years. As of April 2021, over 1,000 trees and 540 metres of hedgerows have been planted since 2020.
- 7.30 The Council was awarded Silver Accreditation from the Carbon Literacy Project for training over 1,050 staff and elected members to become Carbon Literate. The training moved from face-to-face delivery to virtual delivery during 2020/21 as a result of the COVID pandemic.
- 7.31 The Council's Neighbourhoods Team have been working with residents across all 32 wards to embed climate action into ward plans and have recruited three new Climate Change Neighbourhood Officers (one for each of the three area teams) to provide additional capacity to support this work.
- 7.32 A full progress update on the Council's Climate Change Action Plan 2020-25 was presented to Neighbourhoods and Environment Scrutiny Committee in February 2021<sup>21</sup>.

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<sup>21</sup> <https://democracy.manchester.gov.uk/ieListDocuments.aspx?CIId=148&MIId=3393&Ver=4>

### **7.33 Manchester City Football Club**

- 7.34 The Club completed its main work to replace all its lighting, including stadium floodlights, with LED. Through the 55% more efficient bulbs this has reduced energy consumption and saved 26.9 tonnes CO<sub>2</sub> each year.
- 7.35 Building on its work to reduce waste, the Club established a programme to become a zero-waste organisation. In this, removal of all single-use plastics was achieved – removing over 800,000 plastic cups, utensils and sachets were also removed and a programme begun to reduce and eventually eradicate all PET plastics.
- 7.36 The Club's ecology programme was recognised by the Institute of Groundsmanship's national awards scheme, where City Football Academy gained the Environment/Ecology Project of the year. It was also recognised for new-to-the-north-west wildlife species and providing homes for voles and an extended bee population.
- 7.37 The Club reduced energy and water consumption, and continued its programme to measure and report all its environmental impact covering scopes 1,2 and 3.
- 7.38 Working groups to consider future and sustainable transport actions and the renewal of social value targets have all been engaged in the period to aid a new five-year sustainability action plan. This will also be developed across all City football group activities – building on the Manchester experiences and ensuring collaboration with all parties and positive knowledge exchange.

### **7.39 Manchester Housing Providers Partnership**

- 7.40 The Manchester Housing Providers Partnership (MHPP) has established a collaborative approach to addressing the first year of its five year action plan. Significant progress has been against establishing a baseline position of carbon emissions for housing providers' portfolios and estimating the level of investment needed to meet the 2038 zero carbon target. This has culminated in the development of a bid to Government through MCCA and the Council for investment to kickstart an initial 4-year retrofit programme to enable MHPP members to establish a collaborative approach to procurement and delivery of around 3,500 properties per year and funding of £260m.
- 7.41 Until funding has been secured, members of MHPP have been continuing to deliver their retrofit programmes to improve the standards of their existing stock. There has considerable success in attracting external funding through the Green Homes Grants, Decarbonisation Fund and European Regional Development Fund.
- 7.42 Significant progress has also been made on improving standards in new build developments with a number of organisations moving towards no gas ahead of the 2025 national target and specifying new developments at standards in excess of the current Building Regulations.

7.43 The coming year will see the group merged with the wider Greater Manchester Housing Provider Group and an agreed shared resource will be established to focus on the key priorities in the MHPP five year zero carbon plan. The focus for 2021/22 will be to reinforce the scale of investment required to retrofit social housing, gain greater understanding of the technology and level of measures required, and to continue lobbying national government for longer term funding to start accelerating investment in homes.

#### 7.44 **Manchester Metropolitan University**

7.45 Manchester Met approved its Carbon Management Plan (CMP) 2020-26, the first of three six-year CMPs in its journey towards zero carbon by 2038, at the latest. It also delivered Carbon Literacy to its university leaders and is launching a Carbon Literacy for Leaders programme in May 2021.

7.46 The University's Young Enterprise programme was recognised for enhancing students' enterprise skills in a way that brings benefits to society and the environment, winning a national Green Gown Award.

7.47 The University, with Greater Manchester Combined Authority (GMCA), Trafford Council, Carlton Power, Cadent Gas and Electricity North West will be joining forces to set up Greater Manchester's first hydrogen hub. The hub will be a new addition to Trafford Low Carbon Energy Park – a green energy storage facility, which already consists of a number of net zero industrial projects.

7.48 The University is leading a new project that aims to define and develop the skills needed by the future workforce to support the North West's decarbonisation plans. The University, along with partners across the region, is working to define the existing skills gaps in the sustainable energy sector and highlight where investment in infrastructure and employment is needed. A strategy will be developed to bridge these skills gaps and outline a roadmap to a low carbon future in line with the Government's targets to have net zero carbon emissions by 2050. The goal is to develop the roles required by the sector and create as many as 33,000 jobs in the UK.

7.49 Manchester Met was named in the world top 100 of the Times Higher Education's (THE) University Impact Rankings 2021. It was the first year Manchester Met entered THE's Impact Rankings; ranking 66th globally in the league table and 15th in the UK. The rankings shine a light on the commitment of universities to take positive action on sustainable development.

7.50 The University is developing its new Sustainability Strategy to 2030. The Strategy will set out the University's response to the climate crisis and commitments to support global agendas to tackle poverty, inequality and injustice and will be launched in November 2021.

#### 7.51 **Manchester University NHS Foundation Trust**

- 7.52 Manchester University NHS Foundation Trust has continued to make progress across the sustainability agenda during 2020/21, although the COVID-19 pandemic has had a significant impact on some priorities.
- 7.53 A 14% reduction in the carbon impact of anaesthetic gases has been achieved, facilitated by clinically-led behaviour change campaigns strongly encouraging the use of less carbon-intensive anaesthetic gases.
- 7.54 Carbon emissions from energy have reduced by 7%, and this year a REGO-certified energy tariff has been introduced for imported electricity. The Renewable Energy Guarantees of Origin (REGO) scheme provides transparency to consumers about the proportion of electricity that suppliers source from renewable generation<sup>22</sup>.
- 7.55 The in-house transport fleet has been upgraded with the introduction of nine electric vans replacing diesel equivalents, and a pilot has begun to trial the use of an electric cargo bike service for transport needs within the Chorlton area.
- 7.56 Continued work has taken place to remove single-use plastic from catering outlets and we've actively supported the Greater Manchester NHS research to identify and target the top 100 single-use plastic items within the healthcare supply chain.
- 7.57 Collaboration with NHS Forest has facilitated the planting of 86 trees within our sites including a mini-orchard at Trafford General Hospital, improving the biodiversity and resilience of the site.
- 7.58 £100,000 of charity funding has been secured to improve cycling infrastructure and facilitate active commuting. £7 million has been secured through the Government's Public Sector Decarbonisation Fund to further to support our progress to net zero. Both of these schemes will be fully implemented in 2021/22.
- 7.59 **University of Manchester**
- 7.60 2020 was a challenging year for the University of Manchester's sustainability plans, with COVID slowing or halting work in some areas. However, plans are gathering pace for action throughout the rest of 2021 and beyond.
- 7.61 Funding has been approved for the University to develop a 'Zero Carbon Masterplan', which will inform how the University can deliver on its commitment to be net zero across its estate (scopes 1 and 2) by 2030. In addition, a new strategy will be developed which will bring together all our work in relation to the environment, including net zero, biodiversity, food, research, teaching and public engagement. The launch of this new strategy and accompanying action plan will give fresh impetus to our environmental sustainability work, building on the work in recent years.

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<sup>22</sup> <https://www.ofgem.gov.uk/environmental-programmes/rego/about-rego-scheme>



7.62 In addition, the University of Manchester has just been ranked number one in the world in the Times Higher Education's (THE) University Impact Rankings 2021 for the quality and scale of our impact against the UN's Sustainable Development Goals (SDGs). We are contributing to the SDGs through our research, learning and students, public engagement activities and responsible campus operations. We are very proud of this achievement but recognise there is still much more for us to do.