

Manchester City Council Report for Resolution

Report to: Neighbourhoods and Environment Scrutiny Committee – 4
March 2020
Executive - 11 March 2020

Subject: Manchester City Council Climate Change Action Plan 2020-25

Report of: Deputy Chief Executive and City Treasurer

Summary

Manchester City Council's Climate Change Action Plan 2020-25 sets out the actions that need to be delivered to ensure that the Council plays its full part in delivering the city's zero carbon ambition. The Plan includes the actions which will achieve a 50% reduction in the Council's direct CO₂ emissions between 2020 and 2025, as well as the enabling and influencing actions which will support the city's zero carbon ambitions.

Recommendations

It is recommended that the Neighbourhoods and Environment Scrutiny Committee:

1. Note and comment on the content of the Manchester City Council Climate Change Action Plan 2020-25.

It is recommended that Executive:

1. Adopt the Manchester City Council Climate Change Action Plan 2020-25.
2. Delegate authority to the Deputy Chief Executive and City Treasurer, in consultation with the Executive Member for Environment, Planning and Transport, to update and amend the action plan as necessary. Future editions of the action plan to be reported to the Neighbourhoods and Environment Scrutiny Committee and published on the Council's website at: www.manchester.gov.uk/zerocarbon

Wards Affected: All

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

Developing a citywide climate change framework is fundamental to ensuring that everyone in the city plays their full part in addressing climate change. The Council is one of the key stakeholders who have committed to producing an action plan by March 2020 which sets out the Council's role in tackling our own emissions and influencing

and supporting a reduction across the whole city. Delivering the 5 year plan will require a significant level of new revenue and capital investment to build on the existing resources which are already committed to improving the city's environment.

Manchester Strategy outcomes	Summary of how this report aligns to the OMS
A thriving and sustainable city: supporting a diverse and distinctive economy that creates jobs and opportunities	The transition to a zero carbon city will help the city's economy become more sustainable and will generate jobs within the low carbon energy and goods sector. This will support the implementation of the Our Manchester Industrial Strategy.
A highly skilled city: world class and home grown talent sustaining the city's economic success	Manchester is one of a small number of UK cities that have agreed a science based target and is leading the way in transitioning to a zero carbon city. It is envisaged that this may give the city opportunities in the green technology and services sector.
A progressive and equitable city: making a positive contribution by unlocking the potential of our communities	Transitioning to a zero carbon city can help to tackle fuel poverty by reducing energy bills. Health outcomes will also be improved through the promotion of more sustainable modes of transport and improved air quality.
A liveable and low carbon city: a destination of choice to live, visit, work	Becoming a zero carbon city can help to make the city a more attractive place for people to live, work, visit and study.
A connected city: world class infrastructure and connectivity to drive growth	A zero carbon transport system would create a world class business environment to drive sustainable economic growth.

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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.

Playing Our Full Part: How Manchester's Residents and Businesses can benefit from Ambitious Action on Climate Change 2018

Manchester Climate Change Strategy 2017-50

Manchester Climate Change Strategy Implementation Plan 2017-22

Manchester: A Certain Future Annual Report 2018

Manchester City Council Climate Change Action Plan 2016-20

Manchester Zero Carbon 2038, Manchester City Council's Commitment, March 2019

1.0 Introduction

- 1.1 This report provides a brief introduction to the Council's Climate Change Action Plan 2020-25 which is appended to this report in full. The action plan comprises a narrative document with a summary of historical emissions, future targets, an indication of how these targets will be achieved and how they will be monitored. The detailed actions are included in appendix 1 alongside a summary of the climate change research and insight (appendix 2), a summary of the January 2020 Youth Climate Action Summit (appendix 3) and a summary of the asks the Council we be making of Greater Manchester and UK Government (appendix 4).
- 1.2 Following the discussion at Neighbourhoods and Environment Scrutiny Committee on 5 February 2020, tonnes of CO₂ have been included in the Plan wherever possible, a commitment to quarterly reporting and monitoring has been included and a number of amendments to the detailed action plan have been made.

2.0 Background

- 2.1 The Council has been working with partners to take action on climate change for over 10 years and has developed a series of action plans with associated targets, the most recent of which covered the 2016-20 period. The Council's previous CO₂ target was to reduce its direct emissions from buildings, energy and transport by 41% by 2020 from a 2009/10 baseline. The latest available data from 2018/19 revealed that a 48.1% reduction had been achieved (see table 1 below). This reduction has been delivered through efficiencies in buildings, rationalisation of the corporate estate, reductions in emissions from streetlighting and applying national emissions factors which have delivered significant reductions in electricity emissions due to the decarbonisation of the National Grid.

Table 1: Manchester City Council CO₂ Emissions in Tonnes by Activity 2009/10 to 2018/19

Activity	Baseline 2009/10 tCO ₂	2018/19 tCO ₂	% change from baseline
MCC Buildings	47,764	25,789	-46.0
Traffic Signalling	1,894	392	-79.3
Streetlights	15,726	6,616	-57.9
MCC Fleet	2,863	844	-70.5
MCC Grey Fleet	1,001	540	-46.1
MCC Taxis	136	56	-58.5
MCC Train	110	17	-84.7
MCC Air travel	79	67	-14.5
MCC Carclub	5	8	40.4
Waste Collection Fleet	2,496	3,089	23.7
Total	72,075	37,418	-48.1

2.2 The Council's Plan is one of a number of plans which support the delivery of the Manchester Climate Change Framework 2020-25 which is also being considered by the Committee and Executive.

3.0 Commitments and delivery

3.1 The Plan makes a number of specific commitments which are as follows:

- Deliver at least a 50% reduction in carbon emissions from the Council's buildings, energy and transport by 2025 (from circa 30-32,000 tonnes in 2019/20 to circa 15-16,000 tonnes in 2024/25) via a 13% year on year reduction.
- Report quarterly on progress against the actions in the plan and provide quantitative reports on data in tonnes of CO₂.
- Become zero carbon by 2038 at the latest (based on the Tyndall Centre for Climate Research definition of zero which is at least a 95% reduction i.e. a reduction of 35,547 tonnes CO₂ from the 2018/19 total which would mean that the Council's direct emissions in 2037/38 would be less than 1,871 tonnes CO₂).

3.2 A summary of the estimated savings which will need to be achieved over the next 5 years are summarised in table 2 below.

Table 2: Direct Emissions Actions and Associated Carbon Savings (estimate of 15-16,000 tCO₂ required)

Direct Emissions Action 2020-25	Annual Carbon Saving (tonnes CO₂)
Completion of Phase 1 Buildings Carbon Reduction Programme	1,400
Completion of Phase 1 (a) Buildings Carbon Reduction Programme - ERDF Supported	400
Phase 2 of Carbon Reduction Programme	3,000
Large scale energy generation scheme	7,000
Completion of the final year of the street lighting LED replacement programme	220
Estimated carbon emissions saving benefit from the decarbonisation of the National Grid	800
Completion of the Civic Quarter Heat Network and connection to the Town Hall, Town Hall Extension, Art Gallery and Central Library	1,600
Replacement of half of waste fleet vehicles with Electric Vehicles	900
Reductions to the Council's Fleet through increase in number of Electric Vehicles	400
Reduction in staff travel via car, taxi, air, train	100
Total Estimated Savings	15,820

3.3 The Plan also sets out the different roles the Council has including enabling and influencing, reducing direct emissions and reducing indirect emissions. The detailed actions contained in appendix 1 are divided up into the following sections:

- Buildings and energy;
- Transport and travel;
- Reducing consumption based emissions and influencing suppliers;
- Climate adaptation, carbon storage and carbon sequestration;
- Influencing behaviour and being a catalyst for change.

3.4 As noted in the 5th February 2020 report to Neighbourhoods and Environment Committee, additional revenue and capital funding has been identified to respond to the 10 July 2019 Climate Emergency Declaration and to deliver the Plan. Appendix 1 contains a column titled 'Project Cost or funding in place' and this will be continually updated as further detailed funding for specific projects or programmes is agreed. The Council's Zero Carbon Coordination Group and associated workstreams will be responsible for overseeing the implementation of the Plan and identifying additional sources of internal and external funding.

4.0 Recommendations

4.1 The recommendations are set out at the beginning of this report.