

## **Manchester City Council Report for Resolution**

**Report to:** Neighbourhoods and Environment Scrutiny Committee - 6 March 2019  
Executive - 13 March 2019

**Subject:** Manchester Zero Carbon 2038 – Manchester City Council's  
Commitment

**Report of:** The Head of City Policy

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### **Summary**

In November 2018, the Scrutiny Committee and the Executive agreed to the establishment of science-based carbon reduction targets for Manchester. This required the city to become zero carbon by 2038. Since then, the Manchester Climate Change Board, with the support of Anthesis, have developed a guide to support organisations in Manchester to play their full part in achieving this commitment. They have also developed a draft zero carbon framework 2020-2038 and started work to produce a draft action plan for 2020-25. This report sets out a framework for future action, the citywide progress that has been made since November 2018 and the specific contribution being made by the Council. The draft framework to 2038 and a summary of the work to date by 10 of the city's climate change 'pioneers' to develop organisational action plans are attached in Appendix 1 and 2.

### **Recommendations**

It is recommended that the Neighbourhoods and Environment Scrutiny Committee comment on the content of this report, the progress since autumn 2018, the Draft Zero Carbon Framework 2020-2038 (Appendix 1) and the draft action plan (Appendix 2) which includes the Council's draft action plan.

Executive is recommended to:

1. Endorse the draft Manchester Zero Carbon Framework as the city's overarching approach to meeting its science-based climate change targets over the period 2020-38, as part of the wider Our Manchester policy framework;
2. Commit to work with partners to develop the final Framework and Action Plan for 2020-22 by March 2020, at the latest;
3. Commit to implement the Council's actions for 2019/20, set out in Appendix 2;
4. Commit to produce a detailed action plan for the Council's climate change work during 2020-22, in terms of both direct, organisational emissions; and the influencing and enabling role that the Council can play through its planning, procurement, regulatory and other powers.

5. Commit to work with partners to secure the resources the city requires to commence full implementation of the Framework 2020-38 and Action Plan 2020-22, from April 2020.

**Wards Affected: All**

<b>Manchester Strategy outcomes</b>	<b>Summary of the contribution to the strategy</b>
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 Manchester's emerging Local Industrial Strategy.
A highly skilled city: world class and home grown talent sustaining the city's economic success	Manchester is one a small number of UK cities that are 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 will 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):**

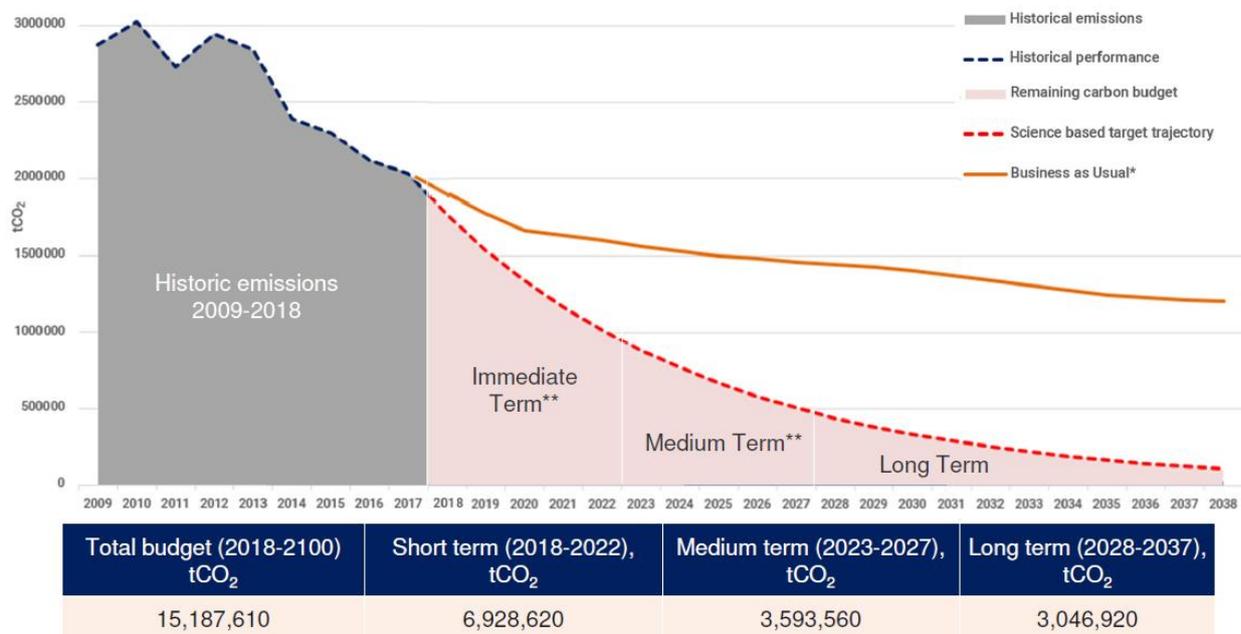
The following documents disclose important facts on which the report is based and have been relied upon in preparing the report. Copies of the background documents are available up to 4 years after the date of the meeting. If you would like a copy please contact one of the contact officers above.

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 2017  
Greater Manchester Low Emissions Strategy and Air Quality Action Plan

## 1.0 Background

- 1.1 The Our Manchester Strategy sets out the vision for Manchester to “be in the top flight of world-class cities by 2025” and commits the city to “playing our full part in limiting the impacts of climate change.”
- 1.2 The Council supports the Manchester Climate Change Board (MCCB) to take forward work to engage partners in the city to address climate change.
- 1.3 In November 2018, the MCCB made a proposal to update the city’s carbon reduction commitment in line with the Paris Agreement, in the context of achieving the “Our Manchester” objectives and asked the Council to endorse these ambitious new targets. As such, the Council adopted a science-based carbon budget which was developed by the Tyndall Centre for Climate Change Research and committed the city to becoming zero carbon by 2038.
- 1.4 Manchester’s carbon budget is broken down in to short, medium and long term allocations. Each carbon budget outlines the emissions not to be exceeded for each period, in order to ensure that Manchester meets its overall emission reduction commitments to 2038. These budgets are front loaded with more than 50% of the total reductions required in the short term; this highlights the scale of the challenge ahead. The reductions required for the remaining years to 2038 gradually decrease. This is shown in figure 1 below.

**Figure 1: Manchester Carbon Budget to 2038**



\* Business as usual as defined by Level 1 ambition thresholds within the Anthesis' SCATTER model.  
 \*\* Immediate Term & Medium Term periods align with the 3<sup>rd</sup> and 4<sup>th</sup> nationally legislated carbon budget periods (respectively) under the UK Climate Change Act (2008).

- 1.5 Since the adoption of a science-based target, the MCCB have worked to develop a draft framework for the city for 2020-38 (see Appendix 1) and have started work to produce an action plan for 2020-2022 (see Appendix 2).

1.6 In a separate report on this agenda the committee is asked to confirm the submission to Government of an Outline Business Case aimed at addressing currently unlawful levels of roadside Nitrogen Dioxide emissions. While achieving the zero carbon target is more challenging than the task of achieving compliance with the current legislation relating to air quality, the two objectives are linked and many of the proposals in the Clean Air Plan will assist in delivering longer term reductions in transport related carbon emissions.

## **2.0 Draft Zero Carbon Framework 2020-2038 and Action Plan 2020-22**

2.1 The MCCB, with support from Manchester Climate Change Agency and Anthesis, have developed a methodology to assist organisations across the city to develop an action plan from 2020 to 2022. The methodology recommended to organisations is as follows:

- Measure emissions;
- Set science-based targets;
- Explore the 'how';
- Enhance business case;
- Develop action plans.

2.2 Work has also been carried out to allocate emissions across the city to particular organisations in Manchester. These organisations produce 20% of emission in the city and are members of the Manchester Climate Change Board and as such are already committed to act to help achieve the city's ambitious target.

2.3 The remaining 80% of emissions are broken down between transport, domestic and non-domestic activities across the city. A huge part of the challenge will be for all residents, businesses and organisations in the city to be engaged in this agenda and for them to be encouraged and supported to play their full part in reducing emissions. This will require significant changes to current governance arrangements and investment/resources for delivery.

2.4 MCCB have engaged with the 10 'pioneer' organisations who have signed up to the zero carbon 2038 ambitions. These are:

- MAST (Manchester Arts Sustainability Team);
- Bruntwood;
- Faith Network (Our Faith, Our Planet);
- Healthcare (NHS);
- Manchester City Council;
- Manchester City Football Club;
- Manchester Housing Providers Partnership;
- Manchester Metropolitan University;
- University of Manchester;
- Electricity Northwest.

2.5 Pioneers have been tasked with developing individual action plans from 2020 to 2022 detailing how they will contribute to the overall carbon saving required. This high level action plan will include the following:

- a) **Urgent action 2019/20 - Your emissions:** What is your organisation/sector going to do between April 2019 and March 2020 to reduce the CO<sub>2</sub> emissions it is directly responsible for?
- b) **Urgent action 2019/20 - Your stakeholders:** What is your organisation/sector going to do between April 2019 and March 2020 to influence or support your stakeholders to reduce their CO<sub>2</sub> emissions?
- c) **Your action plan 2020+:** What is the current position with the plan for your organisation/sector for 2020+ and what work is needed to finalise it?
- d) **Support you need:** What support will you need to implement your plan for 2020+, including any changes to local, GM, or UK policy or legislation? What are you going to do to share progress and learnings?

2.6 An update on the development of each organisation's action plan is provided in Appendix 2.

### 3.0 The Council's Draft Action Plan

3.1 The Council has already adopted a Climate Change Action Plan (CCAP) 2016-20 which sets out how the Council will reduce its direct emissions by 41% in 2020 from a 2009/10 baseline. A report on progress is submitted to Neighbourhoods and Environment Scrutiny annually in July. The final 2020-2022 action plan will replace the existing CCAP.

3.2 The Council's direct CO<sub>2</sub> emissions make up approximately 2% of the city's total with the operational building estate making up nearly two thirds of those emissions. A significant amount of work has already been undertaken to reduce the Council's direct emission via the rationalisation of the Council's operational estate, energy efficient improvements to Council buildings, a full LED street lighting replacement programme and the development of a Civic Quarter Heat Network. The most recent data for 2017/18 showed that the Council's total direct CO<sub>2</sub> emissions had reduced by 33.8% since 2009/10, putting the Council on target for a 41% reduction by 2020.

3.3 The Council has developed an initial action plan (see pages 15-17, Appendix 2) which outlines the high level actions that the Council will undertake between April 2019 and March 2020 in order to produce a comprehensive action plan by March 2020. This initial action plan focuses on the Council's direct carbon emissions and the partnership and influencing work with key stakeholders including TfGM, the GMCA, housing providers and our asks of government.

3.4 It is also recognised that residents need to be engaged in a meaningful way to ensure they are able to contribute to the ambitious targets. Potential actions could include:

- Developing a communications programme to make the issue real for residents;

- Switching to a renewable energy tariff;
- Considering scope for local energy generation;
- Encouraging lower energy use;
- Adopting different travel choices;
- Switching to electric vehicles;
- Producing less waste;
- Making different food choices.

3.5 The Council's zero carbon action plan will contribute to and complement other important strategies which are currently in development including the Local Industrial Strategy, the Greater Manchester Clean Air Plan, City Centre Transport Strategy, and the refreshed Local Plan.

#### 4.0 Next Steps and Anticipated Timescales

4.1 The anticipated timescale for this piece of work are as follows:

Action	Timescale
Draft city wide 2020-2038 framework adopted by MCC	March 2019
<ul style="list-style-type: none"> <li>• Sectors and organisations continue to commit to act on climate change and supported by MCCB to</li> <li>• Develop their own action plans from 2020-2022. plans and prepare for delivery</li> <li>• Final citywide framework 2020-38 and action plan 2020-22 produced</li> </ul>	April 2019 – February 2020
Final Framework and Action Plan adopted by MCC	March 2020
Implementation of framework and actions plans	April 2020 to 2038

#### 5.0 Conclusion and recommendations

5.1 The Council is committed to playing its full part to ensure that both the organisation and city meet the ambitious climate change targets.

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