

Manchester Climate Change Agency and Partnership: Progress Report 2021/22

MANCHESTER
CLIMATE CHANGE
PARTNERSHIP

Manchester City Council Environment and Climate
Change Scrutiny Committee

9TH SEPTEMBER 2021

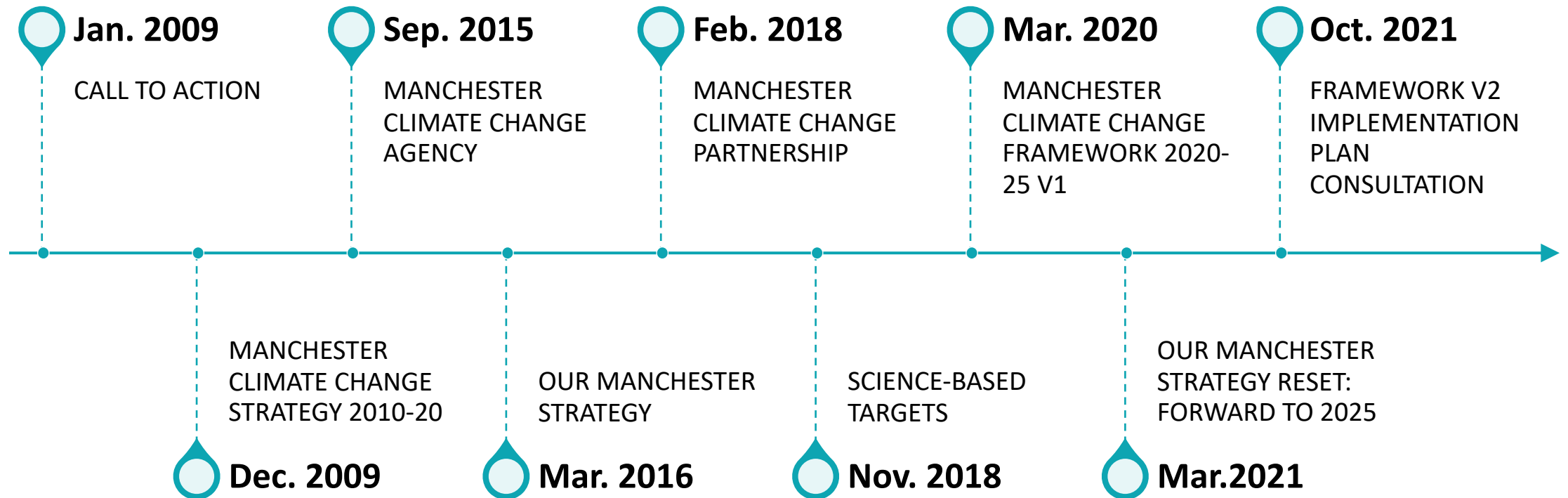




AGENDA

1. BACKGROUND AND CONTEXT
2. PARTNERSHIP AND AGENCY PROGRESS 2021/22
3. CITYWIDE PROGRESS 2020/2021
4. FRAMEWORK V2 UPDATE

BACKGROUND AND CONTEXT



MANCHESTER CLIMATE CHANGE FRAMEWORK 2020-25

Our strategy towards making Manchester a
thriving, zero carbon, climate resilient city.

Version 1.0
February 2020

MANCHESTER
CLIMATE CHANGE PARTNERSHIP

MANCHESTER
CLIMATE CHANGE AGENCY

MANCHESTER CLIMATE CHANGE FRAMEWORK 2020-25

MANCHESTER
CLIMATE CHANGE PARTNERSHIP

1) AIM: 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

2) HEADLINE OBJECTIVES

CO₂

Resilience

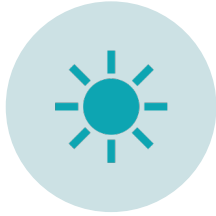
Health

Economy

3) THEMATIC OBJECTIVES



**BUILDINGS
(EXISTING AND
NEW)**



**RENEWABLE
ENERGY**



**TRANSPORT
AND FLYING**



FOOD



**THE THINGS WE
BUY AND
THROW AWAY**



GI & NBS

4) BOTTOM-UP ACTION

Resident Action
Business Action

5) TOP-DOWN ACTION / REMOVING BARRIERS – IMPLEMENTATION PLAN 2022-25

Infrastructure, policy,
legislation, funding, etc.

PARTNERSHIP AND AGENCY PROGRESS

2021/2022



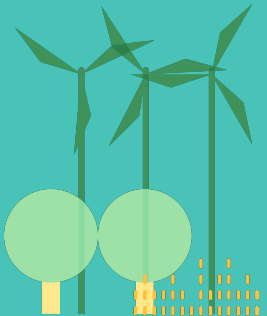
BUSINESSES AND ORGANISATIONS

- Chair appointed and applications for new member of the Partnership opened.
- Ongoing participation in the 'City-Business Climate Alliance' (CBCA) project with seven other global cities, the C40, CDP (formally, Carbon Disclosure Project) and World Business Council for Sustainable Development (WBCSD).
- Established Zero Carbon Business Working Group, led by the CEO of GM Chamber of Commerce and including representatives from the Growth Hub, Manchester City Council, the the CBCA team.
- MCCA in partnership with C40, CDP and WBCSD, held a Zero Carbon Business Workshop as a first step towards launching our Zero Carbon Business Programme in early 2022. 25 key Manchester Businesses came together to discuss what they are already doing to tackle climate change and the support they need to take more comprehensive action.



YOUNG PEOPLE

- Appointed the Youth Champion for Climate Action to drive forward the priorities of the Climate Change Youth Board and ensure the voices and aspirations of young people are represented at every level.
- Supported the development of the Youth Board's manifesto which will be launched in September 21 – this will be a nationwide first and cements Manchester's commitment to an inclusive and people driven approach to meeting net zero by 2038.
- Continued to participation in the EU's FoodWave project which is giving young people a voice in Manchester to raise awareness on sustainable patterns of food consumption and production.



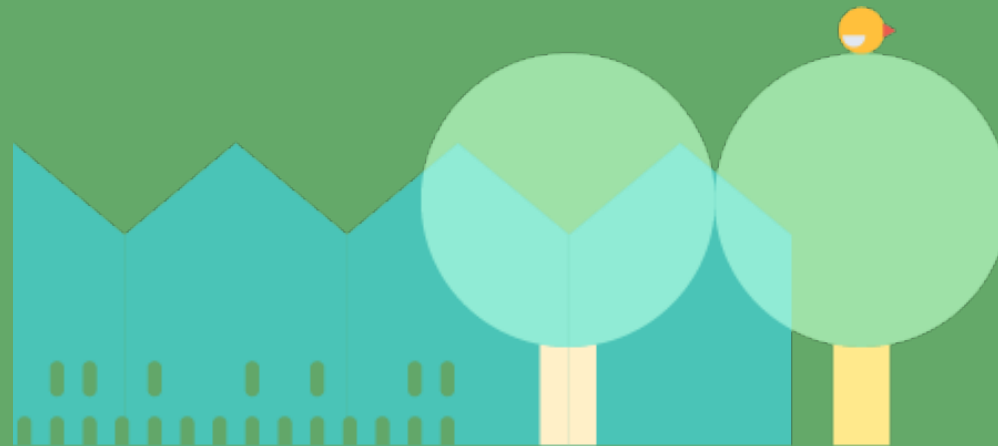
RESIDENTS AND COMMUNITIES

- The Agency, in partnership with environmental charity Hubbub and The National Lottery's Climate Action Fund launched the largest community climate change campaign in Manchester called “# In Our Nature”. A year long programme taking place across 6 wards in Manchester.
- Recruited a Creative Content Producer. A shared post with Hubbub to record content to inspire residents to act across the city.
- Launched the Interactive Community Engagement portal with Commonplace
- Briefed key stakeholders in each of the 6 wards.
- Community carbon footprints in development Tyndall Centre for Climate Change Research.
- Recruited to the Inspired Community Action Groups
- Projects underway in Manchester communities including, Community Fridges, Greener Wilder Homes, Tiny Urban Forests and Nature Takeover
- Community Climate Assembly taking place between w/c 9th August and the 23rd September.



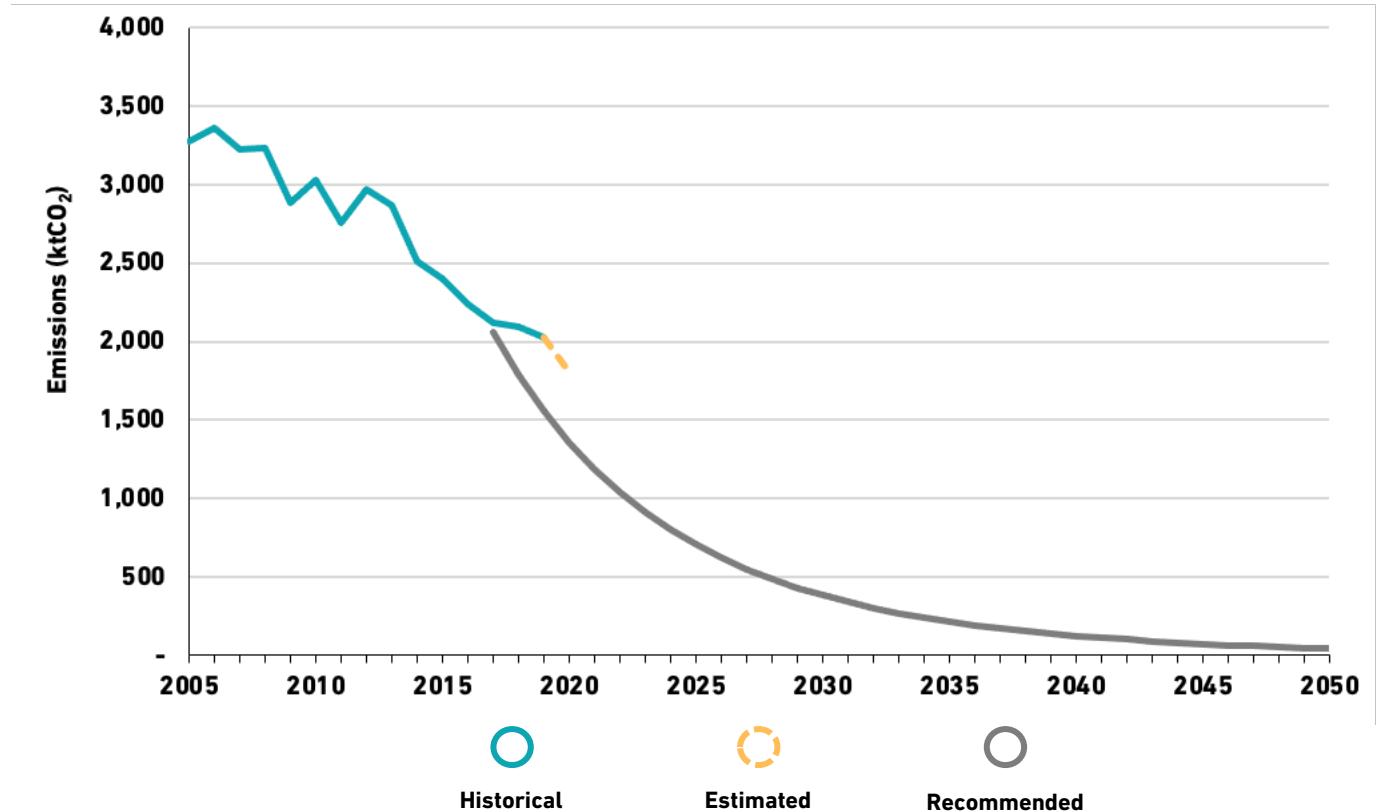
CITYWIDE PROGRESS

2020/2021



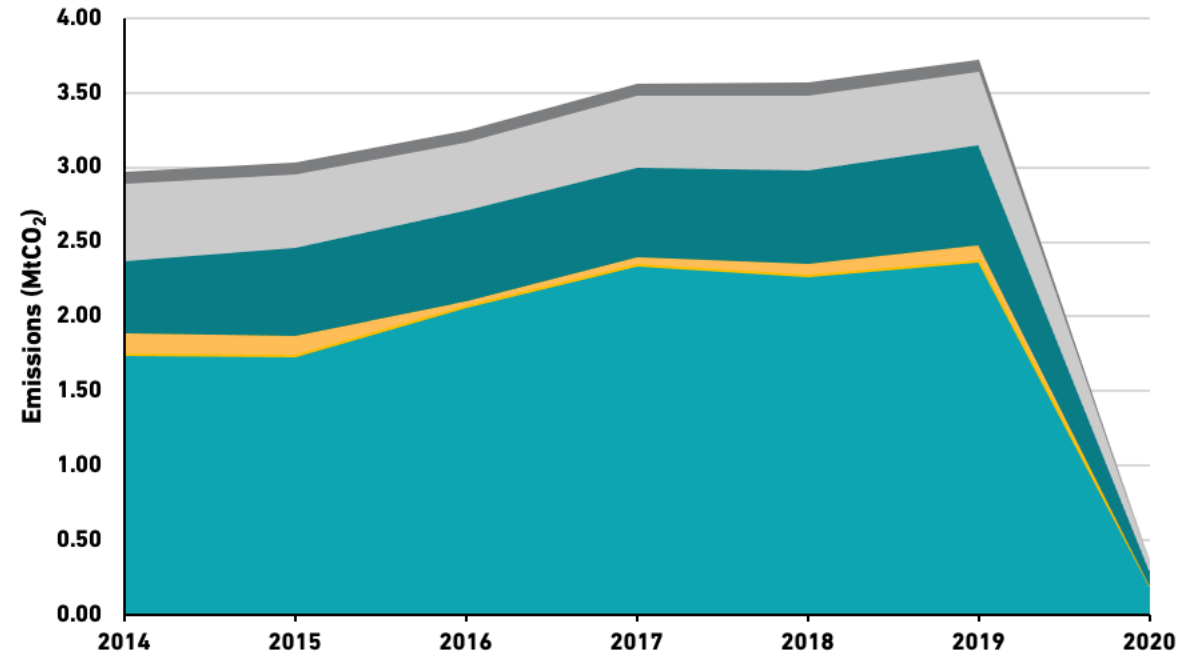
DIRECT EMISSIONS

- 3% reduction 2018-19
- 11% reduction 2019-20 (est.)
- 16% year on year reduction now required to meet 2038 target
- Manchester bettered its 41% reduction by 2020 target, achieving a 45% reduction (est.)



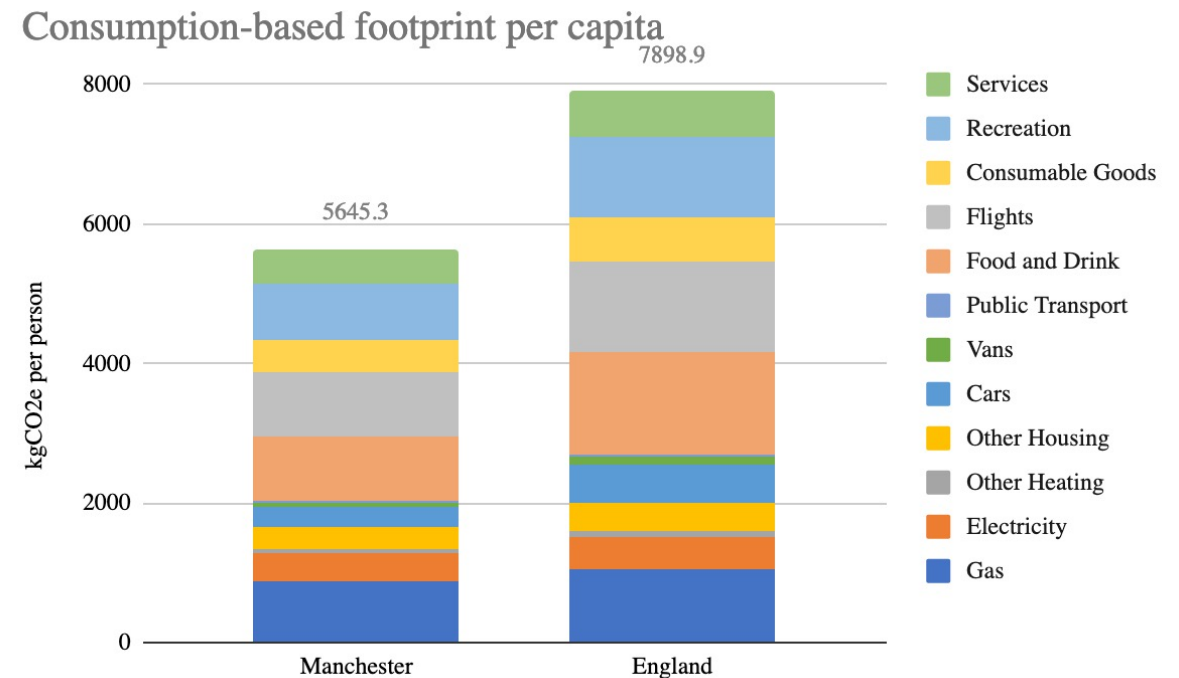
AVIATION EMISSIONS

- **Passenger numbers at Manchester airport fell by 94% from 29.3 million in 2019 to 1.6 million in 2020.**
- **Estimated 91% reduction in emissions from flights from Manchester airport from 3.7 million tonnes CO₂ in 2019 to 0.34 million tonnes CO₂ in 2020.**
- **The industry is expecting a relatively quick rebound in leisure flights, but the future trajectory of business flights is less clear.**



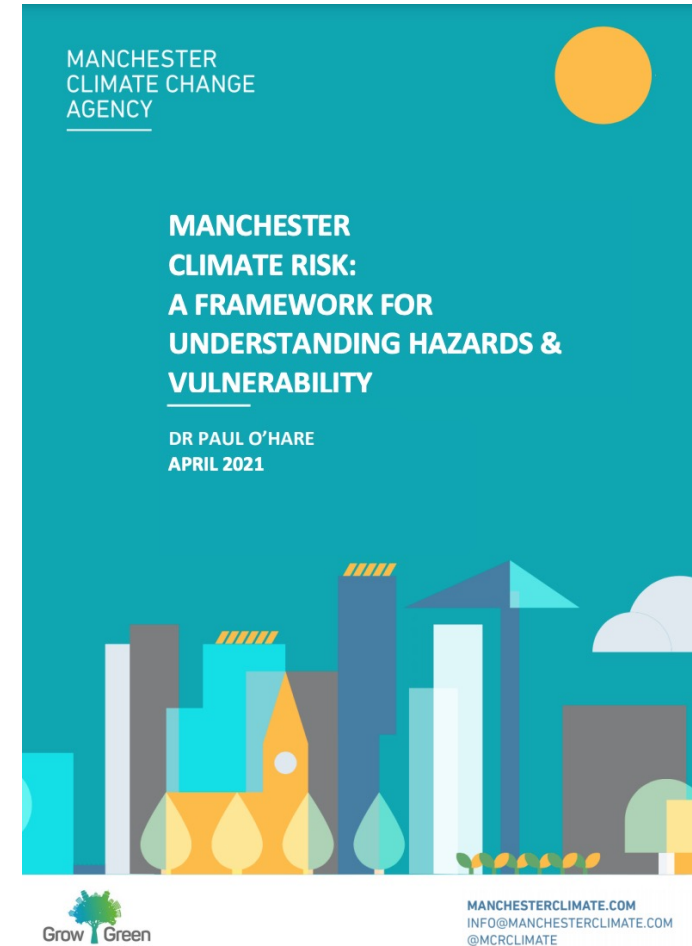
CONSUMPTION BASED EMISSIONS

- **CREDS estimate that Manchester residents are responsible for 5,645.3 kgCO₂e - 29% lower than the England average. Based on the population of the city in 2019 we can estimate a total consumption-based footprint of 3.12 MtCO₂e for Manchester in the year 2019.**
- **In February 2021 Dr Jana Wendler and Dr Joe Blakey published a report review to look at how Manchester's consumption-based emissions hotspots can be decarbonised in the economic recovery.**
- **According to a study led by c40 cities, the consumption-based emissions of large cities like Manchester need to be reduced by two-thirds.**



ADAPTATION AND RESILIENCE


- **Adaptation and Resilience lead appointed: Dr Paul O'Hare, senior lecturer at MMU, on secondment to the Agency for 12 months to further to guide and implement the City's objective to become more climate resilient.**
- **MCCA published Manchester Climate Risk: A Framework for Understanding Hazards and Vulnerability, an indicative framework for understanding climate risk in a more comprehensive manner.**
- **This was the first step in helping us to pursue coordinated action for collectively creating a more climate resilient Manchester.**



FRAMEWORK V2 UPDATE



Background to Framework 2.0

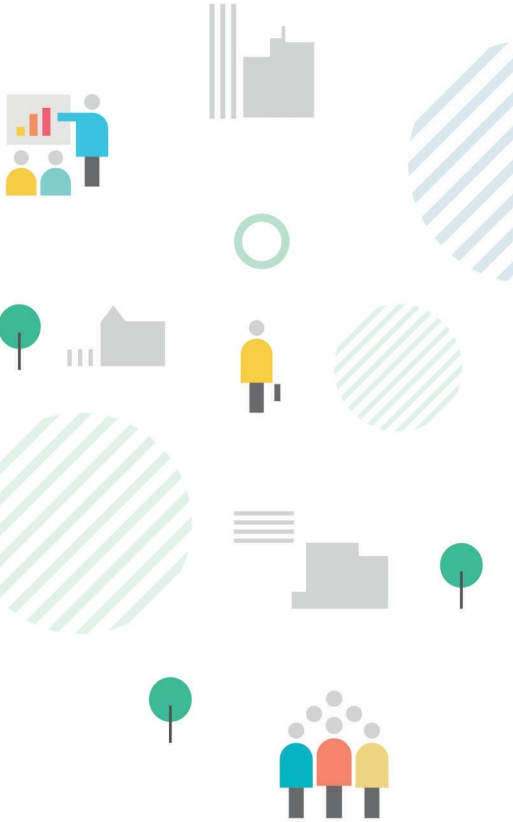


Manchester was one of the first cities to adopt science-based carbon budgeting and has developed a city-wide stakeholder group, the Manchester Climate Change Partnership, to oversee delivery.

For direct emissions, Manchester has set a carbon budget of 15 million tonnes for 2018-2100. This means Manchester needs to reduce its carbon by at least 13% per year, 50% during 2020-25, en route becoming a zero carbon city by 2038, at the latest.

Challenge is to develop appropriate specific actions to deliver the target.

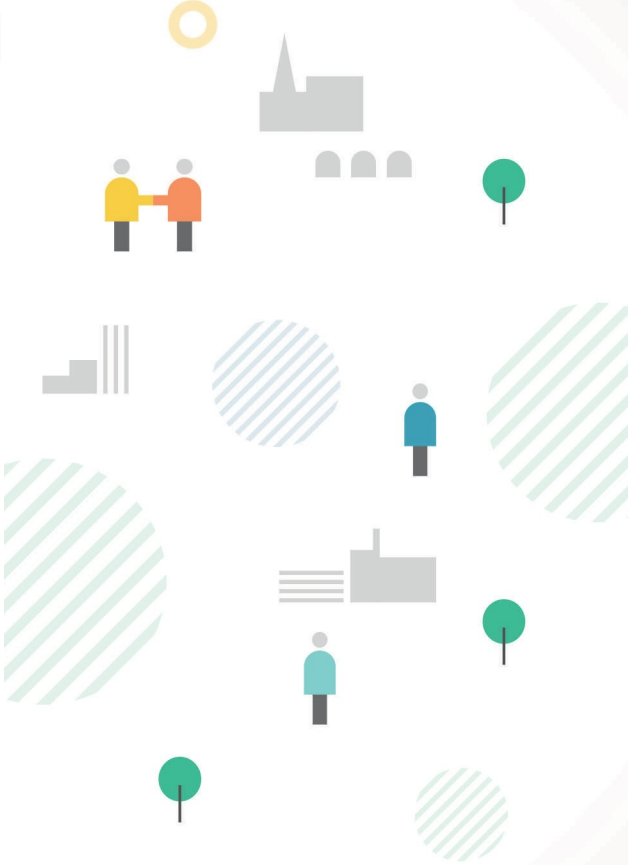
The Framework and Action Plan



Manchester Climate Change Partnership has been given the role of developing and facilitating the delivery of Manchester's strategy to ensure it plays its full part in limiting the impacts of climate change.

Version 1.0 of the Manchester Climate Change Framework 2020- 25 was published in February 2020
Formally endorsed by the City Council in March 2020.

Version 2.0 of the Framework for 2020-25 and a new Implementation Plan are being produced during 2021 to provide more detail of what needs to be achieved by when.



Developing Framework 2.0 for Manchester – Process and Timetable

The City Council, working with MCCA, has procured Anthesis, an environmental consultancy, to support the development of the Framework and Action Plan. The process will involve the following stages:

- Development of thematic objectives and potential actions for residents and businesses (August 2021)
- Consultation 1 with residents and businesses asking them “What actions are you already taking?” and “What barriers are preventing you from taking further actions?” (July – September 2021)
- Draft Implementation (produced by September 2021)
- Consultation 2 on draft implementation Plan – “Are these the right actions to remove your barriers to action?” (October to November 2021)
- Final Framework Published (January/February 2022)
- Formal approval by MCCP and the City Council (March 2022)

Developing Framework 2.0 for Manchester – Key Themes for Action

Science based targets determine the pace of change required. Consultants will define this for different sectors.

The actions will be focused on the following key themes:

- **Buildings**
- **Renewable energy**
- **Transport**
- **Food**
- **Things we buy and throw away,**
- **Green infrastructure and nature based solutions**

For each theme aim is to develop Specific, Measurable, Achievable, Realistic and Time Bound (SMART) objectives.

The objectives will be accompanied by a list of specific actions that will signpost Manchester people, businesses and other organisations to take the actions required.

What will Success Look Like ?

The City will have a clear set of actions that will, if taken, reduce emissions by the required amount by 2025.

Barriers will have been identified and removed to enable citizens and businesses to take the actions that are required.

The city will be seen as a leader, both nationally and internationally, in the response it is taking to mitigation, adaptation and resilience.

The city will be seen as a better place to live, work, play and invest in because of the progressive approach it is taking to this key global challenge.

THANK YOU

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www.manchesterclimate.com

