A nighttime photograph of a city street, likely in Manchester, featuring light trails from traffic and a prominent clock tower in the background. The scene is illuminated by streetlights and building lights, creating a vibrant urban atmosphere.

Manchester Climate Change Strategy 2017-50

Sean Morris
Manchester City Council

Overview

- Background
 - Manchester Climate Change Strategy 2010-20
 - Paris Agreement and cities
- Manchester Climate Change Strategy 2017-50
- New target?
- Further information

Background – Call to Action

Manchester City Council ‘Call to Action’

- January 2009
- Response to UK Climate Change Act 2008
- Invitation to the city



Mcr Climate Change Strategy 2010-20



Background – Paris Agreement & Cities



HEADLINE FINDING 4

DEADLINE 2020: ACTION TAKEN IN THE NEXT FOUR YEARS WILL DETERMINE IF IT IS POSSIBLE FOR CITIES TO GET ON THE TRAJECTORY REQUIRED TO MEET THE AMBITION OF THE PARIS AGREEMENT.

Deadline 2020, C40 & Arup, www.c40.org



Background – Our Manchester Strategy

*‘Manchester will play its full part in limiting the impacts of climate change and.... be on a path to being a **zero carbon city by 2050**’*

Our Manchester 2016-25

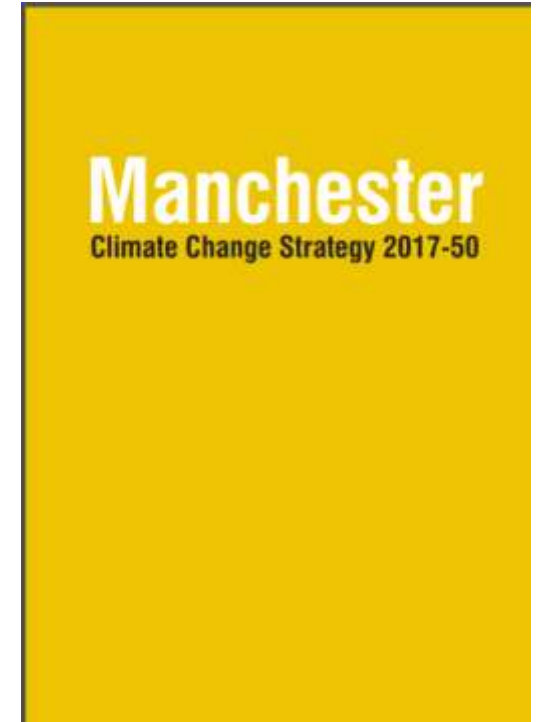


Manchester Climate Change Strategy 2017-50

Mcr Climate Change Strategy 2017-50

Vision

'A thriving, zero carbon, zero waste, climate resilient city where all our residents, public, private and third sector organisations are actively contributing to and benefiting from the city's success.'



Mcr Climate Change Strategy 2017-50

Objectives & Outcomes

Global benefits

- CO₂ reduction

Local benefits

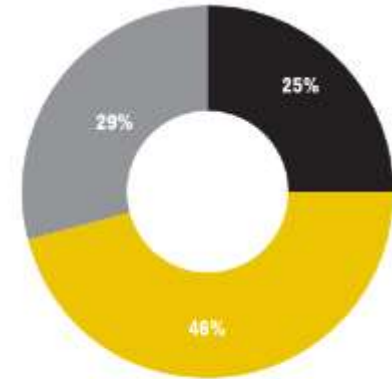
- Economic
- Health



Mcr Climate Change Strategy 2017-50

Areas of Activity

- Buildings
- Energy
- Transport
- Waste & Resources
- Food
- Green & Blue Infrastructure



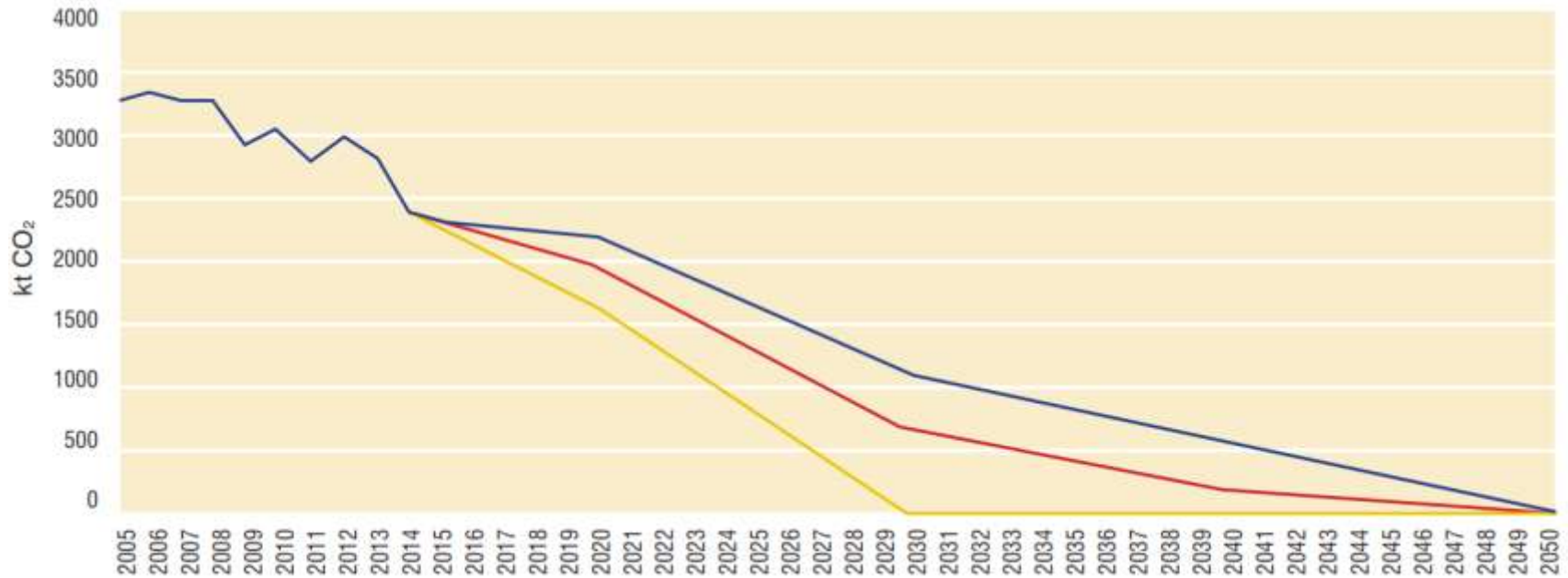
Manchester's Scope 1 and 2 CO₂ emissions
(2015 estimated)



 **ZERO
CARBON
MANCHESTER**

Zero Carbon – carbon budget approach

*‘Manchester will adopt and stay within a scientifically robust **carbon budget that is consistent with the Paris Agreement** to limit global average temperature increases to well below 2°C, ultimately resulting in Manchester becoming a zero carbon city by 2050.’*



Scenario	Carbon budget (Mt CO ₂)	% CO ₂ reduction from 2005			
		2020	2030	2040	2050
Scenario 1 – 50% chance of limiting global average temperature increase to 2°C	37	34%	68%	85%	100%
Scenario 2 – 66% chance of limiting global average temperature increase to 2°C	28	41%	80%	95%	100%
Scenario 3 – 33% chance of limiting global average temperature increase to 1.5°C	17	50%	100%	100%	100%

New target... zero carbon by 2038?

Tyndall Centre Recommendations for GM

Greater Manchester

1. Carbon neutral by 2038
 - 97% reduction vs 1990 level
2. 71m carbon budget
 - 67m tonnes 2018-38
 - 4m tonnes 2039-2100
3. 15% CO₂ reduction year on year from 2018
4. CO₂ from citizens' aviation
 - Steady to 2030
 - Zero by 2075

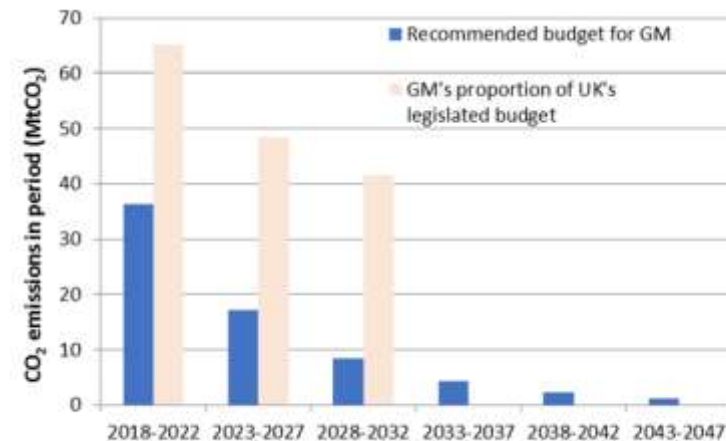


Figure 1: Recommended carbon budgets for Greater Manchester from 2018 to 2047

Further Information

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