

GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP 2021/22

DATE: Thursday 29 July 2021

TIME: 1.30 pm

VENUE: Virtual Teams Meeting

ANNUAL GENERAL MEETING AGENDA

The Presentation and Annex Pack can be accessed here:

<https://democracy.greatermanchester-ca.gov.uk/ieListDocuments.aspx?CId=381&MId=4598&Ver=4>

1. **INTRODUCTION AND APOLOGIES (CHAIR) (3 MINUTES)**
2. **TO NOTE THE APPOINTMENT OF CHAIR AND AGREE
PARTNERSHIP TERMS OF REFERENCE FOR 2021/22
(PAM SMITH, LEAD GREEN CITY REGION CHIEF EXECUTIVE)
(5 MINUTES)** 1 - 40
3. **CHAIR'S ANNOUNCEMENTS AND URGENT BUSINESS
(CHAIR) (5 MINUTES)**
4. **DECLARATIONS OF INTEREST (CHAIR) (2 MINUTES)** 41 - 44

To receive declarations of interest in any item for discussion at the meeting. A blank form for declaring interests has been circulated with the agenda; please ensure that this is returned to the Governance & Scrutiny Officer 48 hours before the meeting.

FOR AGREEMENT

5. **TO APPROVE THE MINUTES OF THE LAST MEETING
HELD ON 12 MARCH 2021 (CHAIR) (5 MINUTES)** 45 - 50
6. **PROGRESS REPORT - 5 YEAR ENVIRONMENT PLAN (5YEP)
(MARK ATHERTON, ENVIRONMENT DIRECTOR, GMCA)
(10 MINUTES)** 51 - 64

BOLTON	MANCHESTER	ROCHDALE	STOCKPORT	TRAFFORD
BURY	OLDHAM	SALFORD	TAMESIDE	WIGAN

ORDINARY BUSINESS

7. **WORK PROGRAMME 2021 & CHALLENGE GROUP UPDATES (THEMATIC CHALLENGE GROUP CHAIRS) (20 MINUTES)** 65 - 70
(see pack for Presentation)

FOR DISCUSSION

8. **LOCAL AREA ENERGY PLAN - BURY** 71 - 74
(SEAN OWEN, HEAD OF LOW CARBON, GMCA)
(20 MINUTES) (see pack for Presentation and Annex)
9. **SUSTAINABLE CONSUMPTION & PRODUCTION (SCP) PLAN** 75 - 76
(SARAH MELLOR, HEAD OF SCP, GMCA) (20 MINUTES)
(see pack for Presentation and SCP Plan)
10. **COP26 PREPARATIONS & GREEN CAMPAIGN** 77 - 80
(SHEONA SOUTHERN, MANAGING DIRECTOR, MARKETING
MANCHESTER & SARAH MELLOR, HEAD OF SCP, GMCA)
(20 MINUTES) (see pack for Presentation)

FOR INFORMATION

11. **LOCAL NATURE RECOVERY STRATEGY PILOT** 81 - 84
(SAM EVANS, HEAD OF NATURAL ENVIRONMENT, GMCA)
(5 MINUTES) (see pack for Annexes)
12. **CLEAN AIR PLAN VERBAL UPDATE** 85 - 88
(MEGAN BLACK, HEAD OF LOGISTICS & ENVIRONMENT,
TfGM) (5 MINUTES)
13. **COMMUNICATIONS DASHBOARD (HAYLEY JAMES,**
ASSISTANT DIRECTOR OF COMMUNICATIONS, GMCA)
(5 MINUTES) (see pack for Presentation)
14. **DATE AND TIME OF NEXT MEETING**

The next meeting will be held virtually on Friday 15 October 2021
at 10.00 am.

This agenda was issued on 21 July 2021 on behalf of Julie Connor, Secretary to the
Greater Manchester Combined Authority, Broadhurst House,
56 Oxford Street, Manchester M1 6EU

Contact Officer: jenny.hollamby@greatermanchester-ca.gov.uk



Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: To note the Appointment of Chair and Agree Green City Region Partnership Terms of Reference for the 2021/22 Municipal Year

Report of: Pam Smith, Stockport Council, Lead Cex Green City Region Portfolio

PURPOSE OF REPORT:

This report sets out the proposed Governance arrangements for the Green City Region Portfolio for the financial year 2021/22.

RECOMMENDATIONS:

The Partnership is requested to:

- a) Note the appointment of Chair of the Green City Region Partnership for the 2021/22 Municipal Year - Councillor Neil Emmott, Bury.
- b) Approve the revised Terms of Reference for the Partnership for the 2021/22 municipal year (Annex 01) and Governance Structure (Annex 01a)
- c) Agree to maintain existing Chair and Vice Chair arrangements for the Challenge Groups: Natural Capital, Low Carbon Buildings, Energy Innovation, 5YEP Forum and Communications/Behaviour Change
- d) Agree the Terms of Reference for the Challenge Groups for the 2021/21 municipal year (Annex 02)
- e) Note the establishment, in parallel, of a Retrofit Taskforce, to be led by the Mayor, which will enhance the delivery of the Buildings and Energy Challenge Groups.

CONTACT OFFICER:

Jenny Hollamby, jenny.hollamby@greastermanchester-ca.gov.uk

BACKGROUND PAPERS:

The following is a list of the background papers on which this report is based in accordance with the requirements of Section 100D (1) of the Local Government Act 1972. It does not include documents, which would disclose exempt or confidential information as identified by that Act.

GMCA Minutes dated 26 June 2020. Papers are available for public viewing at <https://democracy.greatermanchester-ca.gov.uk/ieListDocuments.aspx?CId=136&MId=3943&Ver=4>

1. BACKGROUND

It was agreed, at the GMCA held in June 2021, that the GMCA Green City Region Portfolio Lead (Councillor Neil Emmott, Bury) be appointed to Chair the GM Green City Region Partnership and Board for 2021/22.

Convention dictates that the Partnership should review its Terms of Reference and Membership at the AGM in July each year. GMCA and partners formally established the Green City Region Partnership in July 2019. Since then, the Governance Structure (Annex 01a) proposed at that time has been established and is believed to be generally working well. It is therefore proposed that the existing Terms of Reference for the Partnership (Annex 01) and the Challenge Groups be maintained with minor changes.

2. PROPOSED CHANGES

The proposed changes to Governance and Terms of reference required to continue delivery of the 5 Year Environment Plan include:

- Pam Smith (CEX Stockport MBC) be appointed as Green City Region Portfolio lead Cex to replace Alison Mckenzie Folan.
- Over the year, alternative appointments have been made for the Chair (Will Swan) and Vice Chair (Colette McKune) of the Buildings Group, Vice Chair (Helen Boyle) of the Energy Group; Chair (Anna Bell) and Vice Chair (Neil Hind) of the Sustainable Consumption and Production Challenge Group.
- As part of the Mayoral manifesto commitment, a Retrofit Taskforce has been established. The Taskforce brings together some of the existing members of the Building and Energy Challenge Groups with additional national expertise and specialist on skills and finance. The purpose of the Taskforce is to accelerate the deployment of retrofit across the city region.

3. RECOMMENDATIONS:

The Partnership is requested to:

- Note the appointment of Chair of the Green City Region Partnership for the 2021/22 Municipal Year - Councillor Neil Emmott, Bury.
- Approve the revised Terms of Reference for the Partnership for the 2021/22 municipal year (Annex 01) and Governance Structure (Annex 01a)
- Agree to maintain existing Chair and Vice Chair arrangements for the Challenge Groups: Natural Capital, Low Carbon Buildings, Energy Innovation, 5YEP Forum and Communications/Behaviour Change
- Agree the Terms of Reference for the Challenge Groups for the 2021/22 municipal year (Annex 02)
- Note the establishment, in parallel, of a Retrofit Taskforce, to be led by the Mayor, which will enhance the delivery of the Buildings and Energy Challenge Groups.

Annex 01

GREEN CITY REGION PARTNERSHIP: TERMS OF REFERENCE 2020/21

1. PURPOSE

The purpose of the GM Green City Region Partnership (the Partnership) is to provide strategic oversight of the delivery of the Greater Manchester 5 Year Environment Plan through a Mission Based Approach. In essence, the Mission Based Approach requires setting an ambitious Mission 'Carbon Neutral City Region by 2038' and breaking this down into manageable challenges. Rather than focusing on particular sectors, this approach focuses on problem specific challenges facing society, which will require many different sector's involvement to solve.

The Partnership is responsible, on behalf of the GMCA, for overseeing the monitoring and delivery arrangements for the Greater Manchester 5 Year Environment Plan, as part of Priority 7 'Green City Region' of the Greater Manchester Strategy. The Partnership will oversee delivery via a number of Challenge Groups, identifying individual tasks (Task and Finish Groups), synergies and gaps, then provision of appropriate advice to the GMCA on mitigation measures, including the development and delivery of future policies and strategies.

2. TERMS OF REFERENCE

The Green City Region Partnership will:

- Work with partners to ensure that Greater Manchester can achieve the vision and objectives of the 5 Year Environment Plan, including the achievement of our longer term target of carbon neutrality by 2038.
- On behalf of GMCA and AGMA, oversee the development and implementation of delivery programmes which contribute to achievement of GM priorities articulated in the 5 Year Environment Plan.
- Ensure that activities being undertaken are in line with local and national priorities.
- Ensure that there is a robust evidence base for decision-making.
- Regularly evaluate performance against GM targets and priorities and support the identification of risks and opportunities.
- Ensure that the work and investments of the Green City Region Partnership is integrated with and contributes to broader GM priorities, communicating regularly with other GM commissions and Boards (eg. Planning and Housing Commission, Transport, Waste, Infrastructure Committees and Local Enterprise Partnership).
- Influence local, national and international policies, legislation and programmes in order to deliver a secure, low carbon future for Greater Manchester.
- Broker agreement at strategic level to resolve apparent barriers to delivery.
- Identify potential resources and provide a strategic overview to ensure that all available resources are utilised to enable the city region to deliver its ambitious vision for carbon neutrality by 2038.
- Actively engage with the ten districts and other Greater Manchester Authorities to act as a conduit for the sharing and adoption of good practices.
- Identify and undertake communication activities to engage with Greater Manchester stakeholders and communities on the 5 Year Environment Plan, acting within the scope of the AGMA/GMCA Communications Strategy.

3. MEMBERSHIP

The list below describes those roles relevant for membership of the Green City Region Partnership:

Membership of the Green City Region Partnership for 2021/22	
Councillor Neil Emmott (Bury)	Portfolio Holder & Chair
Tbc	Portfolio Assistant
Pam Smith (Stockport)	Lead Chief Executive
Councillor Steve Adshead	Transport Committee Representative
Councillor Alan Quinn	Waste & Recycling Committee Representative
Councillor McCusker	Planning and Housing Commission
Chris Oglesby/Steve Connor	Local Enterprise Partnership (LEP) Representative
Roger Milburn	Strategic Infrastructure Board
Anne Selby (Wildlife Trust) / Chris Matthews (UU)	Natural Capital Challenge (Local Nature Partnership Representative)
Will Swan (Salford University) Colette Mckune (GM Social Landlord Rep)	Low Carbon Buildings Challenge
Peter Emery/Paul Bircham (ENWL) Helen Boyle (Cadent)	Energy Innovation Challenge
Anna Bell (Suez) Neil Hind (NHS)	Sustainable Consumption and Production Challenge
Louise Blythe (BBC) Phil Korbel (Carbon Literacy)	Communications Challenge
Carly McLachlan (Tyndall) Louise Marix Evans (Quantum)	5 YEP Forum
Lesley Worswick (EA)	Environment Agency Representative
Hisham Elkadi (Salford) Nalin Thakkar (Manchester) Andy Gibson (Manchester Metropolitan)	GM Universities Representatives
Bernard Magee (Siemens) Anna Bell (Suez) Helen Boyle (Cadent)	Private Sector Representatives
Patrick Allcorn (BEIS) Kristina Poole (PHE) Carl Moore/Steph Everett (Homes England)	Central Government Representatives
Sarah Price (H&SCP) Simon Nokes (GMCA) Mark Atherton (GMCA) Simon Warburton (TfGM) Megan Black (TfGM)	Lead Policy Organisation Representatives

Elected members will be nominated to the Green City Region Partnership on an annual basis as part of the GMCA nominations process across the ten Greater Manchester local authorities. Other members of the Partnership will serve for a fixed term of 3 years, appointed on a staggered basis during a 12-month period to ensure that not all memberships are reviewed at the same point.

4 OPERATING PRINCIPLES

4.1 Meetings

The Partnership will meet on a quarterly basis. Meeting dates will be set one year in advance, following the annual meeting. The annual meeting of the Partnership will normally be held in July each year.

The Partnership will be accountable to GMCA and AGMA. The Partnership will not make decisions, financial or otherwise, that require GMCA/AGMA approval, but will refer and make recommendations to AGMA and GMCA as appropriate.

Meetings will be held in public and non-confidential papers will be published on the GMCA website in advance. Papers will be issued five working days before meetings, and a meeting note will be issued within two weeks of the meeting date. The GMCA constitution describes the criteria which an item must meet in order for it to be considered in private. Reports which meet those confidentiality or exemption criteria will be considered in a Part B section of the meeting which excludes the public, as permitted under Schedule 12A of the Local Government Act 1972.

The Partnership will commission Challenge Groups to undertake the specific activities on behalf of the Partnership. The Challenge Groups will be Chaired/Deputy Chaired by Partnership members. The following are proposed for 2021/22:

- Sustainable consumption and production Challenge – Anna Bell/Neil Hind
- Low Carbon Buildings Challenge – Will Swan/Colette McKune
- Energy Innovation Challenge – Peter Emery/Paul Bircham/Helen Boyle
- Natural Capital Challenge – Anne Selby/Chris Matthews
- Communication Challenge – Louise Blythe/Phil Korbel
- 5 YEP Implementation Forum – Carly McLachlan/Louise Marix Evans

The Terms of Reference for these Challenge Groups will be devised by each Group and agreed by the Partnership (Annex 02).

Each of these Challenge Groups will be asked to drive forward action to achieve the targets set out in the 5 Year Plan; report upon progress and identify any barriers which need to be overcome for further progress to be made towards achieving the overall Mission. The Challenge Groups will establish Task and Finish Groups as required to undertake specific activities.

4.2 Support Arrangements

The Partnership will be supported by: the Director of Environment (GMCA), the GM Environment and other teams and appropriate TfGM (Transport) and Manchester Growth Hub (Sector Development) officers. Democratic support will be provided by GMCA Governance and Scrutiny Team where required.

5. ROLES AND RESPONSIBILITIES

5.1 Lead portfolio holder and Chair of the Partnership

As set out in the Greater Manchester Strategy, portfolio leads will own and lead the development of the GM response to those strategic priorities that fall within their remit.

The portfolio lead for Green City Region will:

- Chair the Green City Region Partnership.
- Provide strategic direction for GM's Green City Region approach.
- Maintain oversight of key programmes within the portfolio.
- Ensure alignment between Green City Region policies and programmes and broader GM priorities.
- With the Lead Chief Executive, agree the agenda and papers for each meeting.
- Provide strategic input and direction to GM and national leadership.
- Represent the Partnership in high profile discussions, events and activities at GM level and beyond.
- Represent the Partnership in engagement with GMCA and the LEP.

5.2 Partnership Members

It is expected that Partnership Members will:

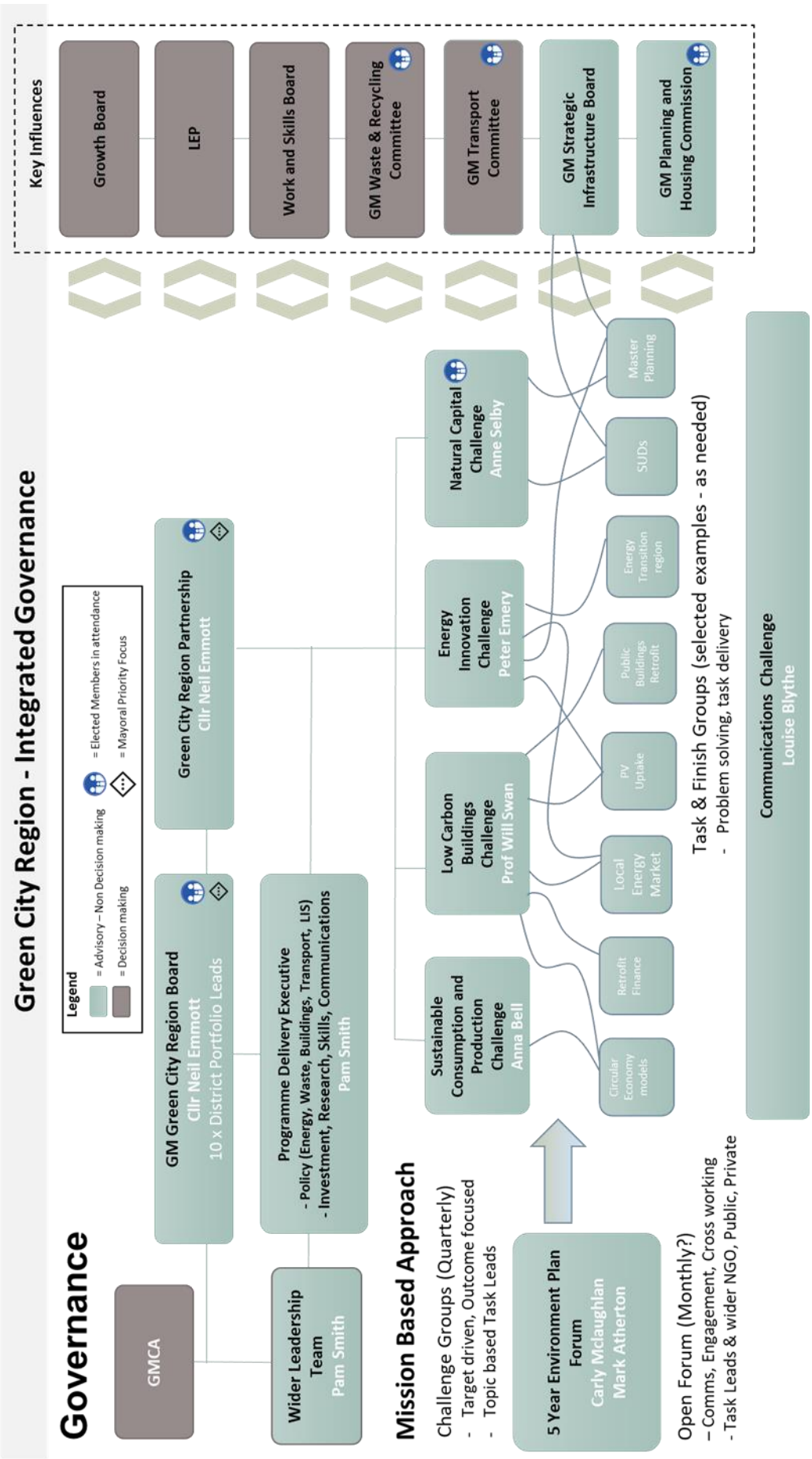
- Regularly attend and contribute to meetings.
- Thoroughly review papers and inform the work of the Partnership.
- If appropriate, Chair or Deputy Chair one of the Challenge Groups and regularly report on progress to the Partnership.
- Individually lead specific programmes that contribute to strategic objectives where appropriate.
- Actively identify and advise upon the adoption of good practices.
- Act as a conduit to and represent on the Partnership, the organisation and/or professional field they come from.
- Ensure that they maintain full accountability and transparency to the Partnership on any activities carried out on behalf of the Partnership.
- Ensure that any comment or activity undertaken in their capacity as a Partnership member is aligned with and endorsed by the Partnership.
- Support and enable communication with wider stakeholders about the work of the Partnership, acting as advocates for the Partnership's work.

5.3 Supporting officers

To co-ordinate activity across the programme, the Lead Chief Executive, or suitable deputy, will Chair an Environment Programme Delivery Executive Group.

Supporting Officers will:

- Provide regular briefings to the Portfolio Lead, Lead Chief Executive, Partnership and Board on the Green City Region work programme.
- Provide relevant and timely information and reports to the Partnership and Board to enable them to provide timely advice and support to GMCA/AGMA.
- Provide updates to Partnership and Board members as requested on relevant programmes of work.



Annex 02

GM 5 YEAR ENVIRONMENT PLAN FORUM TERMS OF REFERENCE - July 2021

1. INTRODUCTION

The Greater Manchester 5 YEP Forum aims to support delivery of the GM 5 year Environment Plan by supporting wider engagement with activities and projects developed through the Challenge Groups to increase the uptake of services/offers and to review progress and activities across the Challenge Groups to encourage a whole system approach. The 5 YEP Forum is more about the 'how' we deliver the Plan than 'What' we will deliver.

2. PURPOSE

Our purpose is to ensure that 5 Year Environment Plan and the services it may provide are accelerated and enhanced to deliver;

- The long term vision for the environment and;
- Value to communities across Greater Manchester.

by supporting a whole system approach across a spectrum of activities. These may include but are not restricted to:

- Review reports from Challenge Groups, identify ways to support and scale interventions/project etc and work with Challenge Groups to deliver these.
- Assess barriers and opportunities and put forward measures to overcome them and communicating these to Challenge Groups/Green City Region Partnership as appropriate.
- If required, assign individual tasks to Task and Finish Groups and monitor progress on the tasks.
- Produce reports, publications, and policy recommendations as required;
- Support delivery through our own organisations and networks - raising funding and commission work on the ground to accelerate delivery where possible.
- Take full account of existing work and seek to join up where possible and desirable.
- Provide link between community groups and activity in the 5YEP and the GCR Partnership.
- Provide link between businesses and activity in the 5YEP and the GCR Partnership
- Support lobbying asks to national government where appropriate.
- Support GM role in contributing to local, national, and international climate action, governance and networks (e.g. COP26 and Green Summit activity).

5 YEP Forum Members will, through their commitment and participation, act as conduits to their wider organisations/business units.

3. LONG TERM VISION FOR THE ENVIRONMENT

We want Greater Manchester to be a clean, carbon neutral, climate resilient city-region with a thriving natural environment and circular, zero-waste economy where:

Our infrastructure will be smart and fit for the future: we will have an integrated, clean, and affordable public transport system, resource efficient buildings, greater local community renewable energy, cleaner air, water and green space for all.

All citizens will have access to green space in every community, more trees including in urban areas, active travel networks, environmental education, and healthy and locally produced food.

Citizens and businesses will adopt sustainable living and businesses practices, focusing on local solutions to deliver a prosperous economy.

4. DELIVERY

The key actions and activities of the 5YEP Forum will be informed by the Greater Manchester 5 Year Environment Plan (see Appendix A):

<https://www.greatermanchester-ca.gov.uk/what-we-do/environment/> and the business plans of the Challenge Groups.

The 5 YEP Forum will make decisions to support the Challenge Groups and its own activity and where necessary will take recommendations to the Green City Region (GCR) Partnership.

The 5 YEP Forum is charged with obtaining additional resources and funds to carry out the activities identified (and aligning with existing resources and capacity where possible).

Priority outputs required from the GCR Partnership will be drawn from the 5 Year Environment Plan and Challenge Group work programme.

The 5 YEP Forum does not have a legal identity, any works commissioned by member/s will be commissioned in the name of the said member/s, using their bank account/s and requiring the member/s to take on legal liability.

5. MEMBERSHIP

The 5 YEP Forum will comprise a Chair and Vice Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice Chair.

Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios or tasks covering specific aspects of the work programme, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GCR Partnership on behalf of the Combined Authority.

Chair: Carly McLachlan, Tyndall Centre for Climate Change Research, University of Manchester

Vice Chair: Louise Marix-Evans, Quantum Strategy and Technology.

Members: See Appendix B. Group membership will include representation from the Green City Region Partnership.

6. OPERATING PRINCIPLES

6.1 Governance

No business will be transacted unless four 5 YEP Forum members are present. Decisions will largely be reached by consensus, by 2/3 majority vote or where appropriate under Chair's authority.

6.2 Meeting frequency

The Group will meet every 6-8 weeks for 1.5 hours, with meeting dates arranged for a full financial year to align with the Green City Region Partnership meeting dates.

Where-ever practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date.

At the discretion of the Group, more frequent Task and Finish meetings may be held if required.

6.3 Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

6.4 Roles and responsibilities

Chair/Vice Chair

- Agree agenda and papers and Chair meetings
- Report back to the Green City Region (GCR) Partnership and represent the views of the Group at Green City Region Partnership meetings

- Ensure all participants are able to contribute equally and are respectful to each other
- Champion the role and views of the Group to external audience

Members

- Regularly attend and contribute to meetings
- Thoroughly review and inform the work of the Group
- Individually lead specific responsibilities/tasks and work programme activities and, where appropriate, identify suitable participants to support delivery of defined tasks
- Report progress against priorities they are responsible for
- Provide recommendations of new members to the Chair

GM Environment Team

- Arrange secretariat support to the meetings
- Co-ordinate and facilitate the development and implementation of the work programme
- Review and contribute to proposed papers
- Provide the operational interface between the other GCR themes
- Work with the Group members to support the implementation of actions

7. COMPETITION LAW COMPLIANCE

Members will work together in a manner that is not anti-competitive and all members will not share information that could be seen to provide a competitive advantage to any party or inhibit the working of competitive markets.

8. RELATIONSHIP WITH OTHER GROUPS

The 5 YEP Forum is a sub-group of the GCR Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair of the 5 YEP Forum is a Green City Region Partnership member, and the Vice Chair will deputise in their absence.
- The 5 YEP Forum will set out how it expects the relationship to work with each task and finish group, to be clear about how it thinks it can achieve its aims and objectives. It is expected that this will evolve over time.

Appendix A: Extract from 5 YEP – Doing Things Differently

Doing things differently

In order to deliver our environmental vision and aims this plan sets out and to close the gap between what is needed and where we are now, we need to take different approaches to the following:

- Supporting innovation in technology
- Taking new approaches to finance and funding
- Building on existing partnerships between the public, private and voluntary, community and social enterprise organisations
- Showing leadership
- Engaging and educating residents, communities and businesses
- Upskilling our workforce

SUPPORTING INNOVATION IN TECHNOLOGY	TAKING NEW APPROACHES TO FUNDING AND FINANCING	BUILDING ON EXISTING PARTNERSHIPS
Innovation ecosystem to support all firms to be innovative, supporting the creation of new products and services (e.g. Energy Transition Region proposals)	Long-term sustainable funding models for infrastructure. Developing business models in unproven areas (whole house retrofit; natural environment)	Continuing the engagement from 2018 Green Summit, with GMCA convening stakeholders around key challenges and through a mission-oriented approach
SHOWING LEADERSHIP	ENGAGING & EDUCATING RESIDENTS, COMMUNITIES AND BUSINESSES	UPSKILLING OUR WORKFORCE
A set of commitments from GMCA/LAs, plus health and social housing providers, showing they are leading by example.	Make a programme of carbon literacy available to young people through the GM Career Portal, in addition to our own commitments on carbon literacy for staff in procurement in GMCA and LAs	Engage the sector in BridgeGM, to better link business leaders into schools and colleges.

Appendix B: Current Membership List

Carly McLachlan (Chair),
Clive Memmot (GM Chamber),
Gudrun Stummer (SERA + Ex Reb),
Brad Blundell (Anthesis),
Jonny Sadler (ENWL),
Pete Abel (Mcr Friends of Earth),
Ian Taylor (GMCVO),
Ryan Bellinson (UCL-IIPP),
Phil Korbel (Carbon Literacy Project),
Jess Thompson/Sarah Williams (City of Trees),
Lydia Meryl (SERA),
Chris Matthews (UU);
Steve Connor (Creative Concern)
Mark Easedale (Environment Agency)
Mike Ormerod (Groundwork)
Louise Marix Evans (Quantum)
Gudrun Cartwright (BiTC)
Emma Gardner (Diocese of Salford)

Officers

Mark Atherton (GMCA),
Tina Bugliosi (GMCA),
Robyn Smith (GMCA)
Todd Holden (GMCA)
Lynda Stefek/Matt Roberts (TfGM)

**GREATER MANCHESTER COMMUNICATIONS AND BEHAVIOUR CHANGE
CHALLENGE GROUP
TERMS OF REFERENCE
July 2021**

1. Introduction

The Greater Manchester Communications & Behaviour Change Challenge Group aims to support delivery of communication and behaviour change actions as set out in the GM 5 Year Environment Plan. Greater Manchester aims to become an exemplar for communications and adoption of positive behaviour change, to support the implementation and delivery of the GM 5 Year Environment Plan.

2. Purpose

Our purpose is to ensure that communications and behaviour changes are adopted to accelerate and enhance the delivery of:

- The long term vision for the environment and;
- Value to communities across Greater Manchester.

The Communications & Behaviour Change Challenge Group will aim to achieve the long-term vision for the environment and provide value to communities by supporting a whole system approach across a spectrum of activities. These may include but are not restricted to:

- Support delivery of Challenge Group work programmes
- Assess barriers and opportunities and put forward measures to overcome them
- Assign individual tasks to Task and Finish Groups and monitor progress on the tasks
- Produce reports, publications, and policy recommendations as required;
- Develop project and research proposals
- Raise funding, engage contractors, and commission work on the ground to accelerate delivery.
- Take full account of existing work and seek to join up where possible and desirable.
- Support delivery of COP26 and Green Summit activity.

Communications and Behaviour Change Challenge Group Members will, through their commitment and participation, act as conduits to their wider organisations/business units.

3. Long term vision for the environment

We want Greater Manchester to be a clean, carbon neutral, climate resilient city-region with a thriving natural environment and circular, zero-waste economy where:

Our infrastructure will be smart and fit for the future: we will have an integrated, clean, and affordable public transport system, resource efficient buildings, greater local community renewable energy, cleaner air, water and greenspace for all.

All citizens will have access to green space in every community, more trees including in urban areas, active travel networks, environmental education, and healthy and locally produced food.

Citizens and businesses will adopt sustainable living and businesses practices, focusing on local solutions to deliver a prosperous economy.

4. Priorities

By 2024 we aim to:

Priority 1: Establishing a framework for communication, branding, marketing: Greater Manchester to loudly champion the long term vision for the environment and ambitious targets for the city region, regularly promoting the many steps organisations and individuals can take and the big impact collective action can make.

Priority 2: Working urgently and collaboratively with businesses and communities towards a ambitious environment transition through incentives, Mayoral 'calls to action', campaigns and through greater transparency of data.

Priority 3: Provide support to the 5 Year Environment Plan Challenge Groups to effectively communicate their priorities to the city region.

5. Delivery

The Communications and Behaviour Change Challenge Group will define a Business/Communications Plan each year and agree this with the Chair of the Green City Region Partnership. Key actions and activities will be informed by the Greater Manchester 5 Year Environment Plan <https://www.greatermanchester-ca.gov.uk/what-we-do/environment/>

The Communications and Behaviour Change Challenge Group will make decisions within the scope of the agreed Business/Communications Plan. Decisions outside of the scope of the business plan and recommendations to the Combined Authority will be referred to the Green City Region (GCR) Partnership.

The Communications and Behaviour Change Challenge Group is charged with obtaining additional resources and funds to carry out the activities identified in the Business Plan.

The Group will create space for multiple voices to be heard and will utilise robust evidence and facts to transparently communicate issues and progress.

The Communications and Behaviour Change Challenge Group does not have a legal identity, any works commissioned by member/s will be commissioned in the name of

the said member/s, using their bank account/s and requiring the member/s to take on legal liability.

6. MEMBERSHIP

The Communications and Behaviour Change Challenge Group will comprise a Chair and Vice Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice Chair.

Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios or tasks covering specific aspects of the energy sector, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GCR Partnership on behalf of the Combined Authority.

Chair: Louise Blythe, Executive Producer, BBC Academy louise.blythe@bbc.co.uk

Vice Chair: Phil Korbel, Director, The Carbon Literacy Project
phil.korbel@coolerprojects.com

7. OPERATING PRINCIPLES

a. Governance

No business will be transacted unless four Communications and Behaviour Change Challenge Group members are present. Decisions will largely be reached by consensus, by 2/3 majority vote or where appropriate under Chair's authority.

b. Meeting frequency

The Group will meet quarterly for 2-3 hours, with meeting dates arranged for a full financial year to align with the Green City Region Partnership meeting dates. Wherever practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date. At the discretion of the Group, more frequent Task and Finish meetings may be held if required.

c. Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

d. Roles and responsibilities

Chair/Vice Chair

- Agree agenda and papers and Chair meetings
- Report back to the Green City Region (GCR) Partnership represent the views of the Group at Green City Region Partnership meetings
- Ensure all participants are able to contribute equally and are respectful to each other
- Champion the role and views of the Group to external audience

Members

- Regularly attend and contribute to meetings
- Thoroughly review and inform the work of the Group
- Individually lead specific responsibilities/tasks and work programme activities and, where appropriate, identify suitable participants to support delivery of defined tasks
- Report progress against priorities they are responsible for

GM Environment Team

- Arrange secretariat support to the meetings
- Co-ordinate and facilitate the development and implementation of the work programme
- Review and contribute to proposed papers
- Provide the operational interface between the other GCR themes
- Work with the Group members to support the implementation of actions

8. Competition licensing law

Members will work together in a manner that is not anti-competitive and all members will not share information that could be seen to provide a competitive advantage to any party or inhibit the working of competitive markets.

9. Relationship with other groups

The Communications Group is a sub-group of the GCR Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair of the Communications Challenge Group is a Green City Region Partnership member, and the Vice Chair will deputise in their absence.
- The Communications Challenge Group will set out how it expects the relationship to work with each task and finish group, to be clear about how it thinks it can achieve its aims and objectives. It is expected this will evolve over time.

GREATER MANCHESTER ENERGY INNOVATION GROUP

TERMS OF REFERENCE July 2021

1. Introduction

The Greater Manchester Energy Innovation Challenge Group aims to support delivery of the energy actions as set out in the GM 5 Year Environment Plan. Greater Manchester aims to become a testbed for new innovative technologies, services and investment mechanisms, supporting the implementation and delivery of the GM 5yr Environment Plan.

2. Purpose/promise

Our purpose is to ensure that Energy Innovation and the services it may provide are accelerated and enhanced to deliver;

- The long term vision for the environment and;
- Value to communities across Greater Manchester.

Energy Innovation Challenge Group Members will through their commitment and participation, act as conduits to their wider organisations/business units.

As an Energy Innovation Challenge Member, all parties will achieve the long term vision for the environment and provide value to communities by supporting a whole system approach across a spectrum of activities. These may include but are not restricted to;

- Identifying strategies, plans, barriers and opportunities,
- Produce reports, publications, policy recommendations;
- Raise funding, engage contractors and commission work on the ground to accelerate delivery.

3. Long term vision for the environment

We want Greater Manchester to be a clean, carbon neutral, climate resilient city-region with a thriving natural environment and circular, zero-waste economy where:

Our infrastructure will be smart and fit for the future: we will have an integrated, clean and affordable public transport system, resource efficient buildings, greater local community renewable energy, cleaner air, water and greenspace for all.

All citizens will have access to green space in every community, more trees including in urban areas, active travel networks, environmental education, and healthy and locally produced food.

Citizens and businesses will adopt sustainable living and businesses practices, focusing on local solutions to deliver a prosperous economy.

4. Priorities

By 2024 we aim to:

Priority 1: Increasing local renewable energy generation, adding at least a further 45MW

Priority 2: Decarbonising how we heat our buildings, adding at least a further 10TWh of low carbon heating

Priority 3: Increasing the diversity and flexibility of our electricity supply, adding at least a further 45MW of diverse and flexible load

The group has agreed 5 focus areas to achieve the priorities,

- Energy master planning
- Innovation
- Generation, storage and flexibility
- Low carbon heat
- Transport infrastructure

A number of task and finish groups are operating to address the key focus area.

5. Challenges

Scale of the challenge – “SCATTER GM” pathway 2040:

Priority 1

- 50% of all households have the equivalent of a 16m² solar photovoltaic (PV) system, with an additional 5.5km² on commercial rooftops or in ground-mounted installations
- 550 onshore wind turbines delivering around 3.4TWh/year (by 2050)
- x4.5 increase in current biomass capacity delivering around 4TWh/year

Priority 2

- Phasing out gas boilers so that they account for less than 35% of home heating, with 60% of all heating (domestic and commercial) supplied by low carbon heating.

Priority 3

- Our local energy system will need to adapt in order to accommodate these shifts and the increase in EVs which will mean that an increasing proportion of our energy needs will be met by electricity.
- We need to increase the use of smart technologies, services and local storage to spread the increase in peak loads these changes may bring across the day and to also accommodate anticipated increases in our population (forecast to increase by a 250,000 by 2037), number of homes (forecast to increase by 201,000 by 2037) and office, industrial and warehousing floorspace (forecast to increase by 6.7 million m² by 2037)¹.

¹ <https://www.greatermanchester-ca.gov.uk/gmsf>

6. Key performance indicators

The following key performance indicators have been identified and will be developed further in consultation with partners:

- Number of new renewable energy connections to the network
- Number of KWh/MWh of new renewable energy installed annually across the region
- Number of installs receiving Renewable Heat Incentive (work with low carbon buildings Group)
- KWh of heating being provided by low carbon solutions (work with low carbon buildings Group)
- Number of new energy services developed, tested and trailed
- Number of participants (domestic and commercial) receiving new energy related services
- MWh activity available for demand side response or flexibility services/signals

7. Delivery

The Energy Innovation Group will define a Business Plan each year and agree this with the Chair of the Green City Region Partnership. Key actions and activities will be informed by the Greater Manchester 5 Year Environment Plan (see Appendix A): <https://www.greatermanchester-ca.gov.uk/what-we-do/environment/>

The Energy Innovation Group will make decisions within the scope of the agreed business Plan. Decisions outside of the scope of the business plan and recommendations to the Combined Authority will be referred to the Green City Region (GCR) Partnership.

The Energy Innovation Group is charged with obtaining additional resources and funds to carry out the activities identified in the Business Plan. Priority outputs required from the GCR Partnership will be provided by the Energy Innovation Group and drawn from the 5 Year Environment Plan and Energy Innovation Business Plan.

The Energy Innovation Group does not have a legal identity, any works commissioned by member/s will be commissioned in the name of the said member/s, using their bank account/s and requiring the member/s to take on legal liability.

8. Membership

The Energy Innovation Group will comprise a Chair and Vice Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice Chair. Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios or tasks covering specific aspects of the energy sector, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GCR Partnership on behalf of the Combined Authority.

Chair: Paul Bircham, Electricity North West Ltd, Paul.Bircham@enwl.co.uk

Vice Chair: Helen Boyle, Cadent Gas

9. Operating Principles

a. Governance

No business will be transacted unless four Energy Innovation Group members are present. Decisions will largely be reached by consensus, by 2/3 majority vote or where appropriate under Chair's authority.

b. Meeting frequency

The Group will meet quarterly for 2-3 hours, with meeting dates arranged for a full financial year to align with the GCR Partnership meeting dates.

Where-ever practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date.

At the discretion of the Group, more frequent Task and Finish meetings may be held if required.

c. Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

d. Roles and responsibilities

Chair/Vice Chair

- Agree agenda and papers and Chair meetings
- Report back to the Green City Region (GCR) Partnership and represent the views of the Group at Green City Region Partnership meetings
- Champion the role and views of the Group to external audience

Members

- Regularly attend and contribute to meetings
- Thoroughly review and inform the work of the Group
- Individually lead specific responsibilities and work programme activities
- Report progress against priorities they are responsible for

GM Environment Team

- Arrange secretariat support to the meetings
- Co-ordinate and facilitate the development and implementation of the work programme

- Review and contribute to proposed papers
- Provide the operational interface between the other GCR themes
- Work with the Group members to support the implementation of actions

10. Competition licensing law

Members will work together in a manner that is not anti-competitive and all members will not share information that could be seen to provide a competitive advantage to any party or inhibit the working of competitive markets.

11. Relationships with other groups

The Energy Innovation Group is a sub-group of the GCR Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair of the Energy Innovation Group is a Green City Region Partnership member and the Vice Chair will deputise in their absence.
- The Energy Innovation Group will set out how it expects the relationship to work with each task and finish group, to be clear about how it thinks it can achieve its aims and objectives. It is expected this will evolve over time.

Appendix 1: Relevant Actions from the Greater Manchester 5 Year Environment Plan

Residents

- Install renewable energy at your home
- Switch to a renewable energy supplier
- Plan now for when you next need to replace your current heating system

Greater Manchester Health and Social Care Partnership

- Explore options to purchase green energy
- Encourage innovation and support new technologies
- Work with GM partners to assess opportunities for generating onsite renewable or ultra-low carbon energy

Local Authorities

- Will procure renewable energy tariffs (from GM sources if possible) when they are next procured
- Will complete a full assessment of the potential of our assets for renewable energy and develop these assets (where financially viable) by the end of 2021
- When replacing heating systems in buildings, will install low carbon alternatives where viable, seeking to avoid carbon intensive technologies (gas, coal, oil)

Businesses and other organisations

- Install renewable energy generation at your premises and partner with community energy groups
- Switch to a renewable energy supplier
- Access energy related business support from the Growth Company
- Plan now for when you are next due to replace your heating system

What we need from government policy

- Work with us to develop the Energy Transition Region concept to support innovation
- Accelerate and deepen grid decarbonisation
- Stable and long-term policy landscape
- Decision on long-term decarbonisation of heat

Local policy

- Establish an investment vehicle to develop assets for renewable energy and deliver renewable energy generation on estate.
- Require 20% renewable energy generation at new developments
- Examine the potential to establish a GM collective solar PV/battery purchase to drive up residential uptake
- Seek funding to roll out Local Area Energy Planning across GM to identify which heating solutions are best suited to which areas of the city-region
- Identify "Heat and Energy Network Opportunity Areas" and require an assessment of the viability of connecting new developments to a heat network within these areas
- Convene key partners (industry, academia and utility providers) with a view to them leading the development of a hydrogen strategy for Greater Manchester

Other key partners

- Electricity North West – lead the transition to a "Smart Grid" to help optimise both the generation and use of electricity and facilitate the local trading of electricity

GREATER MANCHESTER LOW CARBON BUILDINGS CHALLENGE GROUP

TERMS OF REFERENCE – July 2021

1. INTRODUCTION

The Greater Manchester Low Carbon Buildings Challenge Group aims to support delivery of the buildings actions as set out in the GM 5 year Environment Plan. Greater Manchester aims to become a testbed for new innovative technologies, services and investment mechanisms, supporting the implementation and delivery of the GM 5 Year Environment Plan.

2. PURPOSE/PROMISE

Low Carbon Buildings Challenge Group Members will through their commitment and participation, act as conduits to their wider organisations/business units.

As a Challenge Group Member, all parties will achieve the long term vision for the environment and provide value to communities by supporting a whole system approach across a spectrum of activities. These may include but are not restricted to:

- Develop an annual business plan and seek to deliver it
- Assess barriers and opportunities and put forward measures to overcome them
- Assign individual tasks to Task and Finish Groups and monitor progress on the tasks
- Produce reports, publications and policy recommendations as required
- Develop project and research proposals
- Raise funding, engage contractors and commission work on the ground to accelerate delivery
- Take full account of existing work and seek to join up where possible and desirable.
- Lobbying national government

3. LONG TERM VISION FOR THE ENVIRONMENT

We want Greater Manchester to be a clean, carbon neutral, climate resilient city-region with a thriving natural environment and circular, zero-waste economy where:

Our infrastructure will be smart and fit for the future: we will have an integrated, clean and affordable public transport system, resource efficient buildings, greater local community renewable energy, cleaner air, water and greenspace for all.

All citizens will have access to green space in every community, more trees including in urban areas, active travel networks, environmental education and healthy and locally produced food.

Citizens and businesses will adopt sustainable living and businesses practices, focusing on local solutions to deliver a prosperous economy.

4. PRIORITIES

By 2024 we aim to:

- Reduce heating demand from existing homes – making progress in scaling up to what is required (i.e. retrofit on the scale of 61,000 properties per year reducing heat loss by 57% up to 2040).
- Reduce heating demand from existing public and commercial buildings (i.e. requiring retrofit on the scale of a 30% reduction in space heating demand by 2040).
- Reduce heat demand in new buildings – note, this will be taken forward and governed separately (through the Greater Manchester Spatial Framework).

And

- Realise 45MW of additional renewable energy generation by 2024
- Realise 10.2TWh of low carbon heating by 2024
- Support (through at-building charge points) the potential for 200,000 low carbon vehicles by 2024.

5. CHALLENGES

The following are the recommendations from the Decarbonising Buildings report, developed by stakeholders across Greater Manchester and beyond and agreed by the Greater Manchester Combined Authority in September 2019.

Domestic

- Current and future ECO funding for retrofit
- Data and indicative targets
- Business models and green finance
- Delivery models
- Skills and supply chain

Commercial

- Reporting in new developments
- Pathways to increased reporting and deployment

Public

- Public reporting
- Accelerated deployment

6. KEY PERFORMANCE INDICATORS

The following key performance indicators have been identified and will be developed further in consultation with partners:

- Number of publicly funded retrofit installs
- Number of installs receiving ECO funding
- Number of new business models developed, demonstrated and deployed
- £'s of green finance deployed
- Number of participants (domestic and commercial) benefiting from new delivery models
- Average number of public buildings achieving DEC rating of D or higher

7. DELIVERY

The Low Carbon Buildings Challenge Group will define a Business Plan each year and agree this with the Chair of the Green City Region Partnership. Key actions and activities will be informed by the Greater Manchester 5 Year Environment Plan (see Appendix A): <https://www.greatermanchester-ca.gov.uk/what-we-do/environment/>

The Low Carbon Buildings Challenge Group will make decisions within the scope of the agreed business Plan. Decisions outside of the scope of the business plan and recommendations to the Combined Authority will be referred to the Green City Region (GCR) Partnership.

The Low Carbon Buildings Challenge Group is charged with obtaining additional resources and funds to carry out the activities identified in the Business Plan. Priority outputs required from the GCR Partnership will be drawn from the 5 Year Environment Plan and Low Carbon Buildings report.

The Low Carbon Buildings Challenge Group does not have a legal identity, any works commissioned by member/s will be commissioned in the name of the said member/s, using their bank account/s and requiring the member/s to take on legal liability.

8. MEMBERSHIP

The Low Carbon Buildings Challenge Group will comprise a Chair and Vice Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice Chair.

Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios or tasks covering specific aspects of the low

Carbon Buildings sector, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GCR Partnership on behalf of the Combined Authority.

Chair: Prof Will Swan, Northwards Housing,
Vice Chair: Colette McKune, For Housing,

9. OPERATING PRINCIPLES

a. Governance

No business will be transacted unless four Low Carbon Buildings Challenge Group members are present. Decisions will largely be reached by consensus, by 2/3 majority vote or where appropriate under Chair's authority.

b. Meeting frequency

The Group will meet quarterly for 2-3 hours, with meeting dates arranged for a full financial year to align with the Green City Region Partnership meeting dates. Where-ever practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date. At the discretion of the Group, more frequent Task and Finish meetings may be held if required.

c. Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

d. Roles and responsibilities

Chair/Vice Chair

- Agree agenda and papers and Chair meetings
- Report back to the Green City Region (GCR) Partnership and represent the views of the Group at Green City Region Partnership meetings
- Ensure all participants are able to contribute equally and are respectful to each other
- Champion the role and views of the Group to external audience

Members

- Regularly attend and contribute to meetings
- Thoroughly review and inform the work of the Group
- Individually lead specific responsibilities/tasks and work programme activities and, where appropriate, identify suitable participants to support delivery of defined tasks
- Report progress against priorities they are responsible for

GM Environment Team

- Arrange secretariat support to the meetings
- Co-ordinate and facilitate the development and implementation of the work programme
- Review and contribute to proposed papers
- Provide the operational interface between the other GCR themes
- Work with the Group members to support the implementation of actions

10. COMPETITION LAW COMPLIANCE

Members will work together in a manner that is not anti-competitive and all members will not share information that could be seen to provide a competitive advantage to any party or inhibit the working of competitive markets.

11. RELATIONSHIP WITH OTHER GROUPS

The Low Carbon Buildings Challenge Group is a sub-group of the GCR Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair of the Low Carbon Buildings Group is a Green City Region Partnership member and the Vice Chair will deputise in their absence.
- The Low Carbon Buildings Challenge Group will set out how it expects the relationship to work with each task and finish group, to be clear about how it thinks it can achieve its aims and objectives. It is expected this will evolve over time.
- The Low Carbon Building Challenge Group will support the newly established Retrofit Taskforce chaired by the Mayor of GM. A number of challenge group members/ their organisations are represented on the Taskforce to ensure the two groups are successfully linked.

Appendix 1: Relevant Actions from the Greater Manchester 5 Year Environment Plan

Residents

- Get the basics right – including LED lighting and draught-proofing
- Upgrade your home insulation – loft, cavity wall and draught
- Think about whole-house retrofit, particularly if carrying out renovations

Local Authorities

- Standardise measurement and reporting of the operational efficiency of their buildings.
- GMCA and LAs will aim to obtain an average DEC of rating D or better by 2024 and C or better by 2030 for their public buildings where economically viable.

Greater Manchester Health and Social Care Partnership:

- Work with partners to include sustainability indicators in their review of buildings

Businesses and other organisations

- Sign up to the Net Zero Carbon Buildings commitment
- Measure, report on and improve the operational energy efficiency of premises, coming together within sectors to do so.
- Consider greener, more energy efficient premises when current or future contracts require renewal.
- Engage with landlords/tenants landowners and tenants over key issues – e.g. data sharing, energy efficiency measures, green energy.

Other key partners

- Social Housing Providers – commitments to the efficiency of existing homes and to building new homes to net zero carbon in advance of 2028
- Voluntary, Community and Social Enterprise Organisations – continue to work with partners as we develop a GM retrofit partnership focussed on helping people and communities

Local policy

- Develop a GM retrofit partnership/ accelerator to tackle sector development/skills and access to finance/capacity
- Launch a major new drive to raise standards in the private rented sector, including the development of a GM Good Landlord standard.
- Investigate encouraging greater energy efficiency through council tax and business rates and other financial vehicles.
- Implement a business support programme for energy efficiency
- Require zero carbon development by 2028

Other key partners

- Working with us to develop new technology and financial models to make domestic and commercial retrofit at scale a possibility.
- Meeting commitments on smart meter roll-out.
- Changing the Energy Company Obligation (ECO) funding to ensure it is more effective at meeting GM's needs.

GREATER MANCHESTER NATURAL CAPITAL GROUP
TERMS OF REFERENCE
July 2021

1. Introduction

The Greater Manchester Natural Capital Group delivers the Local Nature Partnership in the Greater Manchester area. Greater Manchester is pioneering innovative approaches for investing in and managing the environment, supporting the implementation of the Greater Manchester 5 Year Environment Plan (5YEP).

2. Purpose/promise

Our purpose is to ensure that nature and the services it provides are protected and enhanced to deliver value to communities across Greater Manchester.

3. VISION

To put nature at the heart of everything we do.

4. GOALS

By 2024 we aim to:

1. Implement biodiversity net gain approach in our planning system.
2. Adopt environmental net gain approach in our planning system.
3. Increase, year on year, non-public funding in our natural environment.
4. Significantly increase the amount of trees and restored peatland across GM.
5. embed natural capital approaches into our investments and decision making.
6. increase engagement of people with their natural environment.
7. Adopt plans for a Greater Manchester nature recovery network.

5. HOW (Greater Manchester Natural Capital Group Priorities)

1. Manage our land sustainably, including planting 1 million trees by 2024 – creating rich habitat, in good condition for wildlife, delivering partnership projects at a landscape scale.
2. Managing our water and its environment sustainably – enhancing water quality and reducing the risk of flooding.

3. Achieving a net gain in biodiversity for new development – embedding the natural environment in decision making and championing the wider benefits to society this brings, such as improving health and wellbeing.
4. Increasing investment into our natural environment – a good deal for nature by working with national and local government and the private sector.
5. Increasing our engagement with our natural environment – more people and businesses inspired by, and taking action for, wildlife, with more people visiting local green spaces.
6. Embracing natural capital approaches to deliver environmental enhancements such as greater carbon sequestration and biodiversity net gain.
7. Develop the means to measure the social value of Greater Manchester's environment, drawing on measures such as health and wellbeing benefits for the population and nature and greenspace indicators.

6. KEY PERFORMANCE INDICATORS

The following key performance indicators have been identified which will be developed further in consultation with partners:

1. Amount of peatland restoration and management for carbon restoration.
2. Number of trees planted.
3. People living within Natural England ANGSt (accessible natural green space) Standards.
4. Water bodies enhanced (per km).
5. Net gain in biodiversity (to be further informed by national policy and local Natural England Guidance) from an agreed baseline.
6. % of SSSI (Sites of Special Scientific Interest) favourable condition.
7. Amount of non-public investment - no. of projects with greater than x% of non-public funding in implementing the Natural Capital Investment Plan.
8. Increase in number of people engaged - halve the gap between the national average of people who have visited the natural environment in the past seven days/level of engagement of people with the natural environment (MENE).

7. DELIVERY

The Natural Capital Group will define a Business Plan each year and agree this with the Chair of the Greater Manchester Green City Region Partnership. Key actions and activities will be informed by the Greater Manchester 5YEP (see Appendix A): <https://www.greatermanchester-ca.gov.uk/what-we-do/environment/>.

The Natural Capital Group will make decisions within the scope of the agreed Business Plan. Decisions outside of the scope of the Business Plan and recommendations to the Combined Authority will be referred to the Greater Manchester Green City Region Partnership.

The Natural Capital Group is charged with obtaining additional resources and funds to carry out the activities identified in the Natural Capital Group Business Plan.

Priority outputs required from the Greater Manchester Green City Region Partnership will be provided by the Natural Capital Group and drawn from the Natural Capital Group Business Plan.

8. MEMBERSHIP

The Natural Capital Group will comprise a Chair and Vice-Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice-Chair. Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios covering specific aspects of the natural environment, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair and Vice-Chair will be appointed by the Chair of the Greater Manchester Green City Region Partnership on behalf of the Greater Manchester Combined Authority.

Chair: Anne Selby, Independent, anne_selby7@outlook.com.

Vice-Chair: Chris Matthews, United Utilities, Chris.Matthews@uuplc.co.uk

9. OPERATING PRINCIPLES

9.1 Governance

No business will be transacted unless four Natural Capital Group members are present. Decisions will largely be reached by consensus, by two thirds majority vote or where appropriate under Chair's authority.

9.2 Meeting frequency

The Group will meet quarterly for two hours, with meeting dates arranged for a full financial year to align with the Greater Manchester Green City Region Partnership meeting dates.

When practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date.

The Greater Manchester Forest Partnership will report minutes from their meeting back to the Natural Capital Group as a standing item.

At the discretion of the Group, more frequent Task and Finish meetings may be held if required for example, the Greater Manchester Environment Fund.

9.3 Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

9.4 Roles and responsibilities

Chair:

- Agree agenda and papers and Chair meetings.
- Report back to the Greater Manchester Green City Region Partnership and represent the views of the Group at meetings.
- Champion the role and views of the Group to external audience

Members:

- Regularly attend and contribute to meetings.
- Thoroughly review and inform the work of the Group.
- Individually lead specific responsibilities and work programme activities.
- Report progress against priorities they are responsible for.

Greater Manchester Environment Team:

10. Arrange secretariat (from the Governance & Scrutiny Team, GMCA) support to the meetings.

11. Co-ordinate and facilitate the development and implementation of the work programme.

12. Review and contribute to proposed papers.

13. Provide the operational interface between the other Greater Manchester Green City Region Partnership themes.

14. Work with the Group members to support the implementation of actions.

10 RELATIONSHIP WITH OTHER GROUPS

The Natural Capital Group is a Task and Finish group of the Greater Manchester Green City Region Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair of the Natural Capital Group is a Greater Manchester Green City Region Partnership member.
- The Natural Capital Group will set out how it expects the relationship to work with each group to be clear about how it thinks it can achieve its aims and objectives. It is expected this will evolve over time.

Relevant Actions from the Greater Manchester 5 Year Environment Plan

SUMMARY OF OUR ACTIONS – NATURAL ENVIRONMENT:

Residents

- If you have a garden or an allotment, manage this for wildlife.
- Visit, spend time and be active in local green and blue spaces.
- Volunteer for projects that protect or improve the environment in your local area.

Businesses and other organisations

- Manage any gardens or land for wildlife
- Put in place green roofs and/or green walls and/or plant trees.
- Invest in Greater Manchester's natural environment
- Promote environmental volunteering amongst your employees

Landowners and farmers

- Enter into agri-environment agreements to fund environmental improvements on your land
- Access additional funding to create or restore ponds through new District Licensing scheme for great crested newts

Local Authorities

- Build natural capital into projects to maximise the value that the environment brings including on estates and land.

Residents

- City of Trees – develop, embed and support delivery of a Greater Manchester Tree and Woodland Strategy, contribute to 3m tree planting target and increase volunteering and engagement.
- Environment Agency – explore the development of a Natural Capital Plan for Greater Manchester and work with United Utilities to deliver the benefits of its investment across the Irwell and Upper Mersey catchments.
- Greater Manchester Health and Social Care Partnership – ensure that their approach to developing a Greater Manchester Population Health system understands the importance of the natural environment as a key wider determinant of health, and seeks to ensure that action undertaken is reflective of that understanding; promote the health benefits of green space and maximise the opportunities to incorporate this into their programmes.
- Lancashire Wildlife Trust – support delivery of the Greater Manchester Wetlands Nature Improvement Area and increase the number of people engaged with nature.
- Natural England – identify peatland restoration opportunities, new Great Crested Newt licensing scheme, lead developing biodiversity net gain guidance and explore application of green infrastructure standards and establishing of a nature recovery network.
- Royal Horticultural Society – inspire more of Greater Manchester's residents to get involved in gardening and improving their local environments, working in partnership with other community growing projects
- United Utilities – invest £300m at waste water treatment works to improve river quality (2015-2020) and implement further planned improvements in 2020-2025 business plan

Local policy

- Continue the work of the urban pioneer, embedding a natural capital approach into strategy and plan development.
- Support peatland restoration as part of Resilience Strategy.
- Support the delivery of a biodiversity net gain approach in new development.
- Support the development of a Greater Manchester Environment Fund.
- Support the implementation of the Natural Capital Investment Plan (subject to approval) to increase private sources of funding.
- Launch a programme of innovative funding mechanisms to deliver increased investment in nature-based adaptation solutions (subject to approval).

GREATER MANCHESTER SUSTAINABLE CONSUMPTION AND PRODUCTION GROUP TERMS OF REFERENCE July 2021

1. Introduction

The Greater Manchester Sustainable Consumption and Production Challenge Group aims to support delivery of the energy actions as set out in the GM 5 Year Environment Plan. Greater Manchester aims to become a testbed for new innovative technologies, services and investment mechanisms, supporting the implementation and delivery of the GM 5yr Environment Plan.

2. Purpose/promise

Our purpose is to ensure that Sustainable Consumption and Production and the services it may provide are accelerated and enhanced to deliver;

- The long term vision for the environment and;
- Value to communities across Greater Manchester.

Sustainable Consumption and Production Challenge Group members will through their commitment and participation, act as conduits to their wider organisations/business units.

As a Challenge Group member, all parties will achieve the long term vision for the environment and provide value to communities by supporting a whole system approach across a spectrum of activities. These may include but are not restricted to;

- Identifying strategies, plans, barriers and opportunities,
- Produce reports, publications, policy recommendations;
- Raise funding, engage contractors and commission work on the ground to accelerate delivery.

3. Long term vision for the environment

We want Greater Manchester to be a clean, carbon neutral, climate resilient city-region with a thriving natural environment and circular, zero-waste economy where:

Our infrastructure will be smart and fit for the future: we will have an integrated, clean and affordable public transport system, resource efficient buildings, greater local community renewable energy, cleaner air, water and greenspace for all.

All citizens will have access to green space in every community, more trees including in urban areas, active travel networks, environmental education, and healthy and locally produced food.

Citizens and businesses will adopt sustainable living and businesses practices, focusing on local solutions to deliver a prosperous economy.

4. Priorities

By 2024 we aim to:

- Produce goods and services more sustainably, moving to a circular economy
- Become more responsible consumers
- Managing our waste as sustainably as possible
- Reducing unnecessary food waste

The group has agreed 3 focus areas to achieve the priorities,

- Promoting sustainable lifestyles
- Moving to a circular city region
- Sustainable procurement

5. Challenges

Scale of the challenge – “SCATTER GM” pathway 2040:

Priority 1: 50-77% reduction in industrial emissions (38% by 2025)

Priority 2: Limit any increase in the quantity of waste produced to 20%

Priority 3: Achieve a recycling rate of 65% by 2035

6. Key performance indicators

The group is currently assessing it's KPIs

7. Delivery

The Sustainable Consumption and Production Group will define a Business Plan each year and agree this with the Chair of the Green City Region Partnership. Key actions and activities will be informed by the Greater Manchester 5 Year Environment Plan (see Appendix A): <https://www.greatermanchester-ca.gov.uk/what-we-do/environment/>

The Group will make decisions within the scope of the agreed business Plan. Decisions outside of the scope of the business plan and recommendations to the Combined Authority will be referred to the Green City Region (GCR) Partnership.

The Group is charged with obtaining additional resources and funds to carry out the activities identified in the Business Plan.

Priority outputs required from the GCR Partnership will be provided by the Group and drawn from the 5 Year Environment Plan and Sustainable Consumption and Production Business Plan.

The Sustainable Consumption and Production Group does not have a legal identity, any works commissioned by member/s will be commissioned in the name of the said

member/s, using their bank account/s and requiring the member/s to take on legal liability.

8. Membership

The Sustainable Consumption and Production Group will comprise a Chair and Vice Chair plus appropriate members from the public/private/voluntary sectors of GM. The number of members will be deemed as appropriate by the Chair and Vice Chair. Group members may be asked, at the discretion of the Chair, to assume responsibility for certain portfolios or tasks covering specific aspects of the waste sector, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GCR Partnership on behalf of the Combined Authority.

Chair: Anna Bell, Suez

9. Operating Principles

a. Governance

No business will be transacted unless four Sustainable Consumption and Production Group members are present. Decisions will largely be reached by consensus, by 2/3 majority vote or where appropriate under Chair's authority.

b. Meeting frequency

The Group will meet quarterly for 2-3 hours, with meeting dates arranged for a full financial year to align with the GCR Partnership meeting dates. Where-ever practical, papers will be issued five working days before meetings, and the meeting note will be issued within two weeks of the meeting date. At the discretion of the Group, more frequent Task and Finish meetings may be held if required.

c. Support arrangements

The Group will be assigned a lead officer from the Greater Manchester Environment Team to provide co-ordination and facilitation for the meetings.

d. Roles and responsibilities

Chair/Vice Chair

- Agree agenda and papers and Chair meetings
- Report back to the Green City Region (GCR) Partnership and represent the views of the Group at Green City Region Partnership meetings
- Champion the role and views of the Group to external audience

Members

- Regularly attend and contribute to meetings
- Thoroughly review and inform the work of the Group
- Individually lead specific responsibilities and work programme activities
- Report progress against priorities they are responsible for

GM Environment Team

- Arrange secretariat support to the meetings
- Co-ordinate and facilitate the development and implementation of the work programme
- Review and contribute to proposed papers
- Provide the operational interface between the other GCR themes
- Work with the Group members to support the implementation of actions

10. Competition licensing law

Members will work together in a manner that is not anti-competitive and all members will not share information that could be seen to provide a competitive advantage to any party or inhibit the working of competitive markets.

11. Relationships with other groups

The Sustainable Consumption and Production Group is a sub-group of the GCR Partnership. The Group will establish relationships and a working protocol with other topic groups on the following principles:

- The Chair is a Green City Region Partnership member.
- The Group will set out how it expects the relationship to work with each task and finish group, to be clear about how it thinks it can achieve its aims and objectives. It is expected this will evolve over time.

Green City Region Partnership
29 July 2021

Declaration of Councillors' Interests in Items Appearing on the Agenda

NAME: _____

DATE: _____

Minute Item No. / Agenda Item No.	Nature of Interest	Type of Interest
		Personal / Prejudicial / Disclosable Pecuniary
		Personal / Prejudicial / Disclosable Pecuniary
		Personal / Prejudicial / Disclosable Pecuniary
		Personal / Prejudicial / Disclosable Pecuniary
		Personal / Prejudicial / Disclosable Pecuniary
		Personal / Prejudicial / Disclosable Pecuniary

Please see overleaf for a quick guide to declaring interests at GMCA meetings.

QUICK GUIDE TO DECLARING INTERESTS AT GMCA MEETINGS

This is a summary of the rules around declaring interests at meetings. It does not replace the Member's Code of Conduct, the full description can be found in the GMCA's constitution Part 7A.

Your personal interests must be registered on the GMCA's Annual Register within 28 days of your appointment onto a GMCA committee and any changes to these interests must notified within 28 days. Personal interests that should be on the register include:

- Bodies to which you have been appointed by the GMCA
- Your membership of bodies exercising functions of a public nature, including charities, societies, political parties or trade unions.

You are also legally bound to disclose the following information called DISCLOSABLE PERSONAL INTERESTS which includes:

- You, and your partner's business interests (eg employment, trade, profession, contracts, or any company with which you are associated)
- You and your partner's wider financial interests (eg trust funds, investments, and assets including land and property).
- Any sponsorship you receive.

FAILURE TO DISCLOSE THIS INFORMATION IS A CRIMINAL OFFENCE

STEP ONE: ESTABLISH WHETHER YOU HAVE AN INTEREST IN THE BUSINESS OF THE AGENDA

If the answer to that question is 'No' – then that is the end of the matter. If the answer is 'Yes' or Very Likely' then you must go on to consider if that personal interest can be construed as being a prejudicial interest.

STEP TWO: DETERMINING IF YOUR INTEREST PREJUDICIAL?

A personal interest becomes a prejudicial interest:

- where the well being, or financial position of you, your partner, members of your family, or people with whom you have a close association (people who are more than just an acquaintance) are likely to be affected by the business of the meeting more than it would affect most people in the area.
- the interest is one which a member of the public with knowledge of the relevant facts would reasonably regard as so significant that it is likely to prejudice your judgement of the public interest.

FOR A NON PREJUDICIAL INTEREST**YOU MUST**

- Notify the governance officer for the meeting as soon as you realise you have an interest
- Inform the meeting that you have a personal interest and the nature of the interest
- Fill in the declarations of interest form

TO NOTE:

- You may remain in the room and speak and vote on the matter
- If your interest relates to a body to which the GMCA has appointed you to you only have to inform the meeting of that interest if you speak on the matter.

FOR PREJUDICIAL INTERESTS**YOU MUST**

- Notify the governance officer for the meeting as soon as you realise you have a prejudicial interest (before or during the meeting)
- Inform the meeting that you have a prejudicial interest and the nature of the interest
- Fill in the declarations of interest form
- Leave the meeting while that item of business is discussed
- Make sure the interest is recorded on your annual register of interests form if it relates to you or your partner's business or financial affairs. If it is not on the Register update it within 28 days of the interest becoming apparent.

YOU MUST NOT:

- participate in any discussion of the business at the meeting, or if you become aware of your disclosable pecuniary interest during the meeting participate further in any discussion of the business,
- participate in any vote or further vote taken on the matter at the meeting

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MINUTES OF THE MEETING OF THE GREEN CITY REGION PARTNERSHIP HELD FRIDAY 12 MARCH 2021 AT 10.00 AM VIA LIVE TEAMS VIRTUAL MEETING

PRESENT:

Councillor Oliver Ryan	GMCA Deputy Environment Portfolio & Chair (Tameside Council)
Councillor Alan Quinn	Waste & Recycling Committee (Bury Council)
Councillor Mike McCluster	Salford City Council
Alison Mckenzie-Folan	GMCA Lead Chief Executive (Wigan Council)
Louise Blythe	BBC Academy (Chair Communications & Engagement)
Phil Korbel	Cooler Projects (Vice-Chair Communications & Engagement)
Peter Emery	Electricity North West (Chair Energy Innovation)
Helen Boyle	Cadent Gas (Vice-Chair Energy Innovation)
Anne Selby	Wildlife Trust (Chair Natural Capital)
Carly McLachlan	University of Manchester (Chair 5 YEP Implementation Forum)
Will Swan	Salford University (Chair Low Carbon Buildings)
John Alker	UKGBC (Vice-Chair Low Carbon Buildings)
Paul Bircham	Electricity North West
Jessica Bowles	Bruntwood
Hisham Elkadi	University of Salford
Steph Everett	Homes England
Amer Gaffer	Manchester Metropolitan University
Andy Gibson	University of Manchester
Bernard Magee	Siemens
Sheona Southern	Marketing Manchester
David Shewan	Parity Projects
Lesley Worswick	Environment AGENCY

OFFICERS IN ATTENDANCE:

Mark Atherton	GMCA
Jenny Hollamby	GMCA
Matthew Roberts	Transport for Greater Manchester (TfGM)
Michelle Whitfield	GMCA

GMGCRP/01/21 INTRODUCTION AND APOLOGIES

Apologies for absence were received from Councillor Andrew Western, Megan Black, Mark Easedale, Neil Hind, Chris Oglesby, Sarah Price and Simon Warburton.

Will Swan (Salford University) was thanked for stepping into the Building Challenge Group Chair role, following Robin Lawler's retirement. John Alker (UKGBC) was welcomed to his first meeting as Vice-Chair of the Building Challenge Group. Sheona Southern (Marketing Manchester) was also welcomed to her first meeting.

GMGCRP/02/21 CHAIR'S ANNOUNCEMENTS AND URGENT BUSINESS

The Greater Manchester bid to the public sector decarbonisation fund for £80.7m, which was discussed at the last meeting was successful. Section 31 grants had been received and work was underway to begin reducing emissions from over 150 public buildings between now and the end of the year.

GMGCRP/03/21 DECLARATIONS OF INTEREST

There were no declarations of interest received at the meeting.

GMGCRP/04/21 TO APPROVE THE MINUTES OF THE LAST MEETING DATED 10 DECEMBER 2020

The minutes of the previous meeting dated 10 December 2020 were presented for approval.

Arising from minute GMGCRP/56/20, following the presentation to the last meeting from UCL on the mission based approach, GMCA Officers were working with Challenge Group Chairs to assess what changes might be required to optimise delivery. Proposals for any changes would be brought to the Partnership as part of the Annual General Meeting (AGM) on 16 July 2021.

Resolved/-

That the minutes of the last meeting held on 10 December 2020 were approved as an accurate record.

GMGCRP/05/21 PROGRESS REPORT 5 YEAR ENVIRONMENTAL PLAN (5 YEP)

The Partnership considered a report that provided the usual update on progress of delivering the 5 YEP and the work of the Green City Region Partnership for the second quarter of 2020/21.

The main points referred:

1. That a presentation on Bury's Local Area Energy Planning (LAEP) be considered at a future meeting.
2. A concern was raised about extreme weather, flood, storm damage and the Bellwin fund. It was agreed that the Environment Agency (EA) would present at a future meeting.
3. The GMCA's Director of Environment agreed to provide further information about the Big Clean Switch renewable energy traffic offers (green washing) for the 5 YEP Implementation Forum Chair.
4. A point was made about cumulative emissions and making sure the target aligned with the Paris agreement. The GMCA's Director of Environment agreed to clarify the position.
5. That the Chair of the Sustainable Consumption & Production Challenge Group, provide the Chair with more details and background information about Household Waste Recycling Centre (HWRC) re-use shops.

Resolved/-

The Partnership noted the progress outlined in the report and the latest position set out in the dashboards attached to the report at Annex 1 – Environment Performance Overview and Annex 2 – 5 YEP Plan Key Performance Indicators (KPIs).

GMGCRP/06/21 CHALLENGE GROUP UPDATES

The report was introduced by the GMCA's Director of Environment, which outlined progress made by the 5YEP Challenge Groups in developing their key priorities through Task and Finish Action Groups.

The report was accompanied by a presentation by the Challenge Group Chairs that provided an updated overview of the Challenge Group priorities and how these were being delivered through Task and Finish Groups.

The main points referred:

1. A Member was concerned about the decarbonisation bid and suggested that the timescales were unrealistic.
2. The Chair asked for more information about market making on the Green Homes Grant, being a good corporate citizen and city business. It was explained that the retrofit accelerator work would address market making including skills, supply chain and demand. In terms of being a good corporate citizen, alignment would be made with existing corporate initiatives and the GMCA and partners would be used for their campaigning strength. It was also suggested that a forum be established with the corporate sector.
3. An Officer asked about the decarbonisation grants/schemes and how they could be made more appropriate. It was suggested that the Partnership lobby for policy stability around buildings, market making and the consumer retrofit offer. Creative ways must be found to move forward on commercial retrofit.
4. A concern was raised regarding the public sector decarbonisation fund and delivery. A question was asked about how this could be resolved in the future. It was explained that delivery must be carried out in a co-ordinated way and Local Authority (LA) resources issues must be addressed. There was also a need to focus lobbying as a group.
5. It was agreed that hogweed and river erosion would be considered at a future meeting.
6. The Chair of the Communications Group asked that all partners use the green bee on relevant material. The Partnership was asked for good news stories from a people perspective to make them more relatable.
7. The sustainable consumption and production plan would be considered at the next meeting on 16 July 2021.

8. The Chair of the Energy Innovation Group commented on the 5 YEP and suggested from the decarbonisation pathway work with Cadent, policy gaps preventing the GMCA reaching its 2038 targets should be identified working with other city regions facing the same challenges. It was agreed that a report outlining the barriers and scale of challenge be considered at the next meeting on 16 July 2021.
9. The Chair of the 5 YEP Implementation Forum asked other Challenge Group's Chairs how the Forum could be useful to them. The Forum wanted to provide constructive challenge and pathways to deliver.

Resolved/-

The Partnership noted the progress in the Challenge Groups and Task and Finish Groups activity.

GMGCRP/07/21 PATHWAYS TO HEALTHY NET ZERO HOUSING

The Partnership considered a presentation that summarised the report contained in the agenda pack on pathways to healthy net zero housing. This was an important piece of work as it gave Greater Manchester far better data sets and analysis of the total housing stock than was available in any other UK city.

In addition to this work, the GMCA had also undertaken a retrofit market segmentation analysis which sat alongside it. The retrofit report highlighted 31% of Greater Manchester homeowners were willing to undertake some form of retrofit activity. It also identified possible key messaging to influence this group to do more faster and what messaging would resonate with the other 69%. Taking these two pieces of work together provided the evidence base for the retrofit accelerator described in the 5 YEP.

The Chair suggested and the Partnership agreed that the retrofit accelerator be considered at the next meeting on 16 July 2021.

Resolved/-

That the presentation be received and noted.

GMGCRP/08/21 GREATER MANCHESTER HYDROGEN STRATEGY

The Partnership was provided with a presentation about the Greater Manchester Hydrogen and Fuel Cell Strategy 2021-25. The report was produced in time for the last Green Summit. However, partners did not have the opportunity to consider it at that time.

The Chair of the 5 YEP Implementation Forum suggested that cumulative emissions be built into the specification of all strategies and plans. This was agreed in principle, further discussions would take place outside of the meeting.

Resolved/-

That the Partnership noted the presentation.

GMGCRP/09/21 COP26 PREPARATIONS

The GMCA's Director of Environment and Marketing Manchester provided the Partnership with a presentation that gave an overview of the opportunity for Greater Manchester presented by COP26 United Nations (UN) Climate Change Conference of the Parties (COP26) in Glasgow on 1 to 12 November 2021. The report outlined how, working in partnership, Greater Manchester hoped to utilise COP26 to exemplify Greater Manchester as a premier green city.

The main points referred:

1. UKGBC would discuss the virtual pavilion with the GMCA's Director of Environment outside of the meeting.
2. Should the expressions of interest be successful, further discussions would take place with the Partnership to understand contributions.

Resolved/-

That the Partnership noted and commented on the report and accompanying presentation, which was presented to raise awareness of activity to date and the current collaboration and potential partnership opportunities that were being explored.

GMGCRP/10/21 CLEAN AIR PLAN

The Greater Manchester Clean Air Plan was presented to the Partnership for information. The consultation had concluded and TfGM was reviewing the responses. The plan was to bring that plan to decision makers as soon as possible; by the summer at the latest.

Resolved/-

That the report be noted.

GMGCRP/11/21 COMMUNICATION CAMPAIGN DASHBOARD

The Partnership considered a report that provided an update on progress made against the Communications and Engagement Strategy supporting the Greater Manchester 5 YEP. Specifically, to share progress from each of the live green city region communication campaigns.

Resolved/-

That the Partnership noted the progress of the communication campaigns and the dashboard (annex).

**GMGRP/12/21 CLIMATE EMERGENCY DECLARATION – SIX MONTH
PROGRESS UPDATE**

The GMCA declared a climate emergency at its meeting on 26 July 2019 and required that progress reports be reviewed every six months. The report outlined the actions undertaken since the last progress report to the GMCA in June 2020.

Resolved/-

1. That the Partnership noted the report and the progress against the GMCA Climate Emergency declaration (Figure 1).
2. That the Partnership noted the Greater Manchester green city region briefing on delivery against the Greater Manchester 5 YEP for September – December 2021 (Annex).

GMGCRP/13/21 DATE AND TIME OF NEXT MEETING

Resolved/-

It was noted that the next meeting would take place virtually on 16 July 2021 at 11.00 am.





Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: Progress Report 5 Year Environment Plan (5YEP)

Report of: Mark Atherton, Director Environment, GMCA

PURPOSE OF REPORT:

The report provides the usual update on progress of the Green City Region Partnership for the first quarter of 2021/22.

RECOMMENDATION:

The Partnership is recommended to:

1. Note and comment upon the progress outlined in this report and latest position set out in the dashboards attached at:
 - a. Annex 01 (Environment Performance Overview) and
 - b. Annex 02 (5 Year Environment Plan KPIs).

CONTACT OFFICERS:

Contact Officer: Mark Atherton, GM Director of Environment
Mark.atherton@greatermanchester-ca.gov.uk

1. OVERVIEW OF PROGRESS

The updates at Annexes 01 (Environment Team Performance Overview) & 02 (5 Year Environment Plan Performance) contain a summary of key achievements during the last quarter across the areas within the 5 Year Environment Plan. There are a number of key successes to be highlighted, set out below:

1.1 Energy

- Local Area Energy Planning (LAEP)/LEM - Bury LAEP issued. Bruntwood installed 6 trial EV chargers and 5 V2G chargers with the support of Hitachi and the Manchester University NHS trust. Daikin and Northward Housing are completing the installation of 153 retrofits to existing Air Source Heat Pumps (ASHPs) in Northward building stock. Carbon Co-op are progressing well with all the required end user engagement requirements. Bruntwood with the support of Upside Energy have completed the initial high-level design of the Market Making platform. REGEN have continued with discussions with key partners for the development of the business case ref investment and to date have interviewed a possible 16 potential investors.
- Decarbonisation of Heat (DEEP) Phase 2 outline business cases being developed across public buildings, schools, NHS and social housing.
- Site prioritisation activity completed for Go Neutral Tranche 1 partners. Partners reviewing assets with a view to confirming a shortlist for a call-off framework by mid-July. Data collection activity completed for Tranche 2 partners. Work commenced on scoping requirements for the procurement framework.
- Agreement to host Energy Innovation Agency (EIA) Staff within the Growth Company and MIDAS has been secured, and interview process is ongoing. Hitachi EU have joined the partnership.
- MoU signed between Carlton Power, MMU, GMCA, Trafford Council, Cadent Gas, ENWL to enable the development of the Trafford Energy Park concept and provide long term H2 offtake commitments. Discussions underway with community energy group and UU re potential solar farm and private wire connection.
- ENWL have replaced their core Operational IT systems with a new Advanced Distribution Management System (ADMS) to utilise network capacity, especially during network abnormalities. Digitisation of ENWL communication links to substations and replacement of non-smart grid capable field telemetry equipment is now complete. Active Network Management (ANM) is on track for delivery during 2022.

1.2 Buildings

- Initial market engagement on Retrofit has started through the Buildings Challenge Group Heat Pump Accelerator. Wider engagement with the extended value chain has not yet commenced. This is in part due to short term capacity constraints arising from the Energy Innovation Agency Workstreams; and a desire not to

reduce the impact of the Retrofit Task Force and to reflect its considerations in the early market engagement.

- Co-production model for deployment of additional enforcement capacity as key element of approved GM Good Landlord Scheme underway with districts staged implementation likely.
- Green Homes Grant (GHG LAD) phase 1A extended by national government to August 21, with an additional £17m secured for GHG Phase 2. 2100 leads generated for all phases, with installs being completed across the region.
- Public Sector Decarbonisation Fund - Revised programmes submitted which now capture extended delivery timescales out to Mar 22. Significant progress made on grid connections and planning applications are underway. Several partners have completed tender exercises and contractors appointed on circa 50% of schemes. The Manchester College has joined the consortium with an allocation of £1.5m from programme underspend. Work is continuing on heat decarbonisation plans. Template for the toolkit prepared and majority of site surveys completed.

1.3 Transport

- GM Cycle Hire announced Beryl Bikes as it's supplier to deliver 1500 bikes and related docking stations from November 2021 as part of phase 1 in regional centre Salford, Manchester and Trafford to become part of integrated public transport system.
- Mayor's Challenge Fund (MCF) has now approved £84m of schemes including £40m of full business case approvals. Targeting completion of 100km of Bee Network routed before the end of 2021.
- GM Interim Active Travel Design Guide, compliant with the new government LTN 1/20 cycle design guide, adopted by GMCA to apply to all active travel investment irrespective of funding source.
- CleanAirGM - Following a review of all the information gathered through the eight-week long public consultation in 2020, and wider data, evidence and modelling work, the final Clean Air Plan has now been published. The plan will be considered by decision makers in the ten GM local authorities by the end of July 2021.
- Be.EV network established via EVCI Contract. On-Street Charging Grant fund bid making strides. Development work carried out by mapping team, now at a costing/feasibility stage.
- Taxi charging project advancing, site shortlisting almost complete. Discussions on-going for schedule. Final stages of developing Be.EV Taxi Membership for GM Licensed drivers.
- Funding secured via Clean Air Plan proposals to support the uptake of Zero Emission capable taxis. Funding ranges between £10k - £6k dependent on the vehicle type.
- In relation to TfGM's Fleet - Infrastructure supply approved and order placed with the supplier. Electric vehicle tender process to be refreshed due to a change in government funding for battery electric vehicles, trials of alternative battery electric vans in progress due to the increase in the number of solutions now available.

- Government have developed the Zero Emission Buses Regional Areas (ZEBRA) Scheme to facilitate the systematic upgrade of infrastructure across a regional area to support the deployment of new zero emission bus. Transport for Greater Manchester (TfGM) have approached bus operators working in Greater Manchester and with Stagecoach and intend to jointly submit an Expression of Interest to the fund.
- Framework tender issued for the potential supply of a range of battery electric buses, single deck, double deck and double deck with guide wheels.
- As at the end of May, there have been 63 applications made by 18 operators through Clean Bus Fund (CBF). The total number of buses eligible for retrofit funding that has been approved is 756. The total funding that has been approved is just over £11.7 million. £0.639m funds paid out to operators in the Qtr. First retrofits commenced in early May and will continue throughout the year. The Clean Bus Technology Fund (CBTF) is scheduled to be completed by the end of Sept 21, delays due to changes in funding criteria.
- GM Freight Roadmap development progressing with engagement with Districts on potential opportunities in their area.

1.4 Sustainable Consumption and Production

- Local Levers phase 1 and 2 completed and an analysis of potential areas to explore in more detail has been produced. 4 out of 6 key areas of potential impact are around procurement. Others include planning and investment.
- 46 businesses supported on carbon reduction with 26 grant applications approved, leveraging £94,457 of private sector investment, 889 tCO₂e/annum savings, business cost savings £282,089/annum. A further 43 businesses supported on eco innovation and sector development.
- One Bin project with University of Manchester (UoM) is progressing. Trafford selected as trial area for phase 1 due to commence in Autumn 2021. Phase 2 will be in Rochdale. Application awaiting sign off by UoM Ethics Committee. Research assistant recruited.
- The first two 'Renew' shops selling pre-loved household items have opened at Arkwright Street in Oldham and Woodhouse Lane HWRC in Trafford. The third shop at Boysnope Wharf in Salford will be open at the end of June.
<https://recycleforgreatermanchester.com/renew/>
- Applications to the Community Fund to support Greater Manchester community and voluntary sector to deliver projects to reduce waste received over 60 applications.
- Public Sector single use plastics spend review in catering is now complete. Final report has been circulated to Heads of Procurement and Catering leads in districts. A presentation was given at the NW Caterers Forum on 16th June.
- Second round of EPR and DRS consultation responses have been submitted. Response on Consistency in Household and Business Recycling is being reviewed for submission prior to 4 July 2021. Work has commenced on a bio-waste strategy for how we manage this waste stream from 2026.

- The national Food Waste Action Week ran from 1-7 March 2021 supported by GMCA. Research is underway with residents across the city region to understand behaviours linked to food waste. This will lead to the development a GM wide food waste prevention/recycling campaign.

1.5 Natural Environment

- Draft Local Nature Recovery (LNRS) submitted to Defra. All outcomes of the pilot and associated funding from Natural England concluded on time and within budget.
- The Lancs Wildlife Trust led Environmental Land Management scheme (ELMS) tests and trials completed 4 case studies and fed key learnings to Defra about the development of ELMs going forward. Groundwork ELM just commencing.
- Restoration of peatland – Salford Local Plan progressing and partners looking at possible peatland restoration activities on Chat Moss. Restoration works completed at Botany Bay Wood adjacent to Astley Moss East Quarry and Little Woollen Moss. Lancs Wildlife Trust awarded £670K from Biffa Award for further peatland and habitat restoration work.
- Natural Course Phase 4 Request for Amendment submitted to the EU following positive feedback on draft submission. River habitat surveys completed within the Whittle Brook waterbody and final report drafted. Site management plans progressed for 4 waterside wildlife sites across GM. Practical works to reduce diffuse water pollution pressures on Moston Brook in Oldham and Manchester districts commenced. GM Water Forum held as part of virtual GM Natural Capital Group conference. Conference received over 400 sign ups.
- Water company bid to OFWAT for resources to be brought forward partially successful. United Utilities commissioned consultants to produce materials for domestic misconnections campaign.
- 50 officers and members completed Biodiversity Net Gain (BNG) training in March 2021. Resources uploaded to stand alone page on GMCA website. Draft BNG Off Site Implementation Plan produced for review by Steering Group and to agree key leads for actions. Greater Manchester Ecology Unit (GMEU) resourcing considered by POG subgroup with paper produced by Tameside Council for review.
- IGNITION Living Lab opened and launched in June. In-depth modelling taking place on Funding Stream 1 (FS1). Commissions commenced on Neighbourhood SuDS, green roof mapping and park foundations. Testing potential of voluntary individual giving to fund/match fund added value projects in Public Parks and Greenspaces.
- Recruitment of Greater Manchester Environment Fund (GMEF) team underway, and website launched. Terms of Reference, structure and objectives agreed. Project pipeline in development alongside offer to corporates.
- GM Natural Capital User Guide launched. Working with the Transport Delivery Group to understand how approaches are more widely embedded in business case development.
- Green Social Prescribing (GSP) programme is now established with delivery underway. 5 Test and Learn sites have been commissioned - Sow the City (Mcr), Lancashire Wildlife Trust (Bury), Salford GVS (Salford), Petrus (Rochdale) and a

GM wide initiative to create a wider stakeholder group and resource exchange, delivered through City of Trees.

1.6 Communications

- Supplier appointed and work on new GM Green City Region website commenced with initial design concepts received.
- Brief written for YCA Environment Working Group to develop personas for young people to aid website development.
- Continuation of work with wider NW Strategic Group to finalise regional pathway to COP including 2 themed NW events taking place during COP26. Provisional booking of Carbon Bus Tour (of UK) on 8th October.
- GM Green Summit confirmed for 18th October at The Lowry, Salford Quays.
- Scope of training being finalised prior to engaging GMCA e-learning developers on online carbon literacy portal.
- Platform provider to assist schools with web ready resources to engage and deliver action on climate change and sustainability at a local level has been procured via Stockport Council.

2. KEY ANTICIPATED ACTION IN THE NEXT QUARTER

As a priority, the following activities will be delivered in the next Quarter:

2.1 Energy supply

- Issue Salford and Manchester LAEP and review. Commence Phase 2 of the LAEPs with a further 4 LAs concluded by Oct 21. Bruntwood to conclude their 'heat as a service' design and installation of a further 19 EV chargers. Complete installation of 153 trial retrofit ASHPs and onboarding to the Market Maker platform. New domestic "heat as a service" tariff to be finalised. OVO to progress with the installation of 6 Sonnen batteries. REGEN to continue developing the Investment business which will be supported by Cornwall Insight providing regulatory control and advice. LEM animation and press releases issued.
- DEEP Phase 2 outline business cases completed.
- Undertake site prioritisation activity for Go Neutral Tranche 2 (July). Tranche 2 partner review and confirm shortlist by mid-Aug. Set-up call-off framework and conduct market engagement activity in August. Tender call off framework (Sept).
- Subject to notice periods onboard the EIA Director and the first of the Business Development Leads.
- Progress planning requirements (expected Q4 2021) and connection application for Trafford Energy Park concept. Technology Procurement planned for Q3 2021 with the intention to procure and finance the initial phase of H2 electrolyser Q1 2022.

2.2 Buildings

- Complete Retrofit market engagement and commence the procurement process.
- Complete the GHG LAD 1A/B programmes, while bidding on behalf of the region for Sustainable Warmth Funding (GHG LAD 3).
- Deliver and install required monitoring equipment for the Public Sector Decarbonisation Scheme, with initial data sets starting to be captured.
- Tender exercises for Public Sector Decarbonisation Fund to be completed, installations works to continue and completed where identified in programme. Heat decarbonisation plans to be completed and opportunities for PSDS 3 identified.

2.3 Transport

- GM application for Active Travel Fund 2021/22 to be submitted to the DfT ahead of August deadline including expressions of interest for exercise on prescription and Mini Hollands programmes.
- GM Cycle Hire docking station site identification, approvals process and further stakeholder engagement.
- Final Clean Air Plan considered by ten Greater Manchester local authorities (by end July 2021). Subject to local authority approval, a consultation will be held on the proposed inclusion of M1SP class motorhomes within the scope of Clean Air Zone charges (September/October 2021). Subject to local authority approval, a consultation will be held on a modification to the Clean Air Zone boundary to include the A575 and A580 at Worsley (September/October 2021).
- EVCI Strategy to be considered by GMCA in July. Accompanying website to be finalised.
- On-Street Charging Grant Fund to be completed for submission in October 2021. Agree sites for OZEV taxi and agree designs with Iduna.
- Taxi membership to be completed. Implementation of tariff to be determined by TfGM/GMCA CEO.
- 10 more rapid chargers to be completed as part of Early Measures.
- Continue to engage with trade regarding the funding opportunities offered by the GM Clean Air Plan to support the uptake of Zero Emission capable taxis.
- Successful tenderers to be added to the framework for supply of battery electric buses. A detailed Ultra Low Emission Bus specification to be produced. A mini competition to be conducted for the supply of the buses.
- Continue to administer retrofit funding to remaining applicants of the Clean Bus Fund. Retrofit works will continue throughout the quarter.
- Socialisation and stakeholder work on GM Freight roadmap development.

2.4 Sustainable Consumption and Production

- Complete Local Levers phase 3 in-depth analysis of prioritised levers.
- Launch the Journey to Net Zero programme to support GM SMEs to develop strategic actions plans to deliver on targets. Grow the low carbon network and

capture jobs created from support delivered to date. Ongoing additional work to support Innov8 – Innovation Cohort.

- Commence recruitment of households for One Bin Phase 1 trial in Trafford.
- Shortlist Community Fund applicants. Report of recommendations to be submitted to the Greater Manchester Environment Fund Trustee Board (GMEFTB) on 7 July. Successful projects to be notified by 15 July 2021.
- Open third of HWRC re-use shop at Boysnope Wharf in Salford.
- Anticipated that Government will publish its response to the consultations in Autumn 2021. Awareness raising reports to be circulated to Members and senior officers.
- Consider next steps for Public Sector Single-Use Plastics reduction including further research to understand main buying/supply routes, check price points with suppliers on alternatives, set minimum purchasing requirements across GM.

2.5 Natural Environment

- Publication of the outcomes of the LNRS pilot alongside mapping products (on Mapping GM) and a call for green sites tool.
- Feedback on all 3 ELMS Test and Trial Pilots at Natural Capital Group (NCG) meeting on 2nd July and explore how to feed into LNRS and GMEF.
- Working with NE to agree peatland targets for GM 5Year Environment Plan
- Receive approval from EU for Natural Course Phase 4 work programme. Appoint consultant to carry out study of micro plastic contamination of rivers in GM. Site management plans for 4 waterside wildlife sites in GM and practical works on Moston Brook completed. Report on GM water governance structures drafted.
- Promote water company domestic misconnections campaign to households within Greater Manchester.
- BNG Off Site Implementation Plan to be signed off by Steering Group with leads agreed. Commence delivery of actions. GMEU resourcing to be considered further by POG.
- Commence engagement activities at the now opened IGNITION Living Lab. Progress FS1 through to a decision on investability. Progress consultant commissions on parks foundation, neighbourhood SuDS and green roof mapping.
- Commence Investment Readiness Fund proposals (subject to funding). Progress Salford Parks donation pilot.
- Progress funding application discussions with National Lottery Heritage Fund (LNHF). Start to engage with corporates and other buyers re Corporate Social Responsibility and off-setting products.

2.6 Communications

- Progress to development stage of GM Green City Region website and content upload. New site to launch August 2021.

- Review personas brief, taking into account limited meeting time with YCA group, and work with group to develop behaviour change content and support for pre-COP events.
- Finalise pathway of NW Net Zero events leading up to and as part of COP26. Engagement of Schools in GM with Together for Our Planet school pack.
- GM Green Summit venue agenda to be outlined and content curated.
- Completion of the content and platform creation for schools.

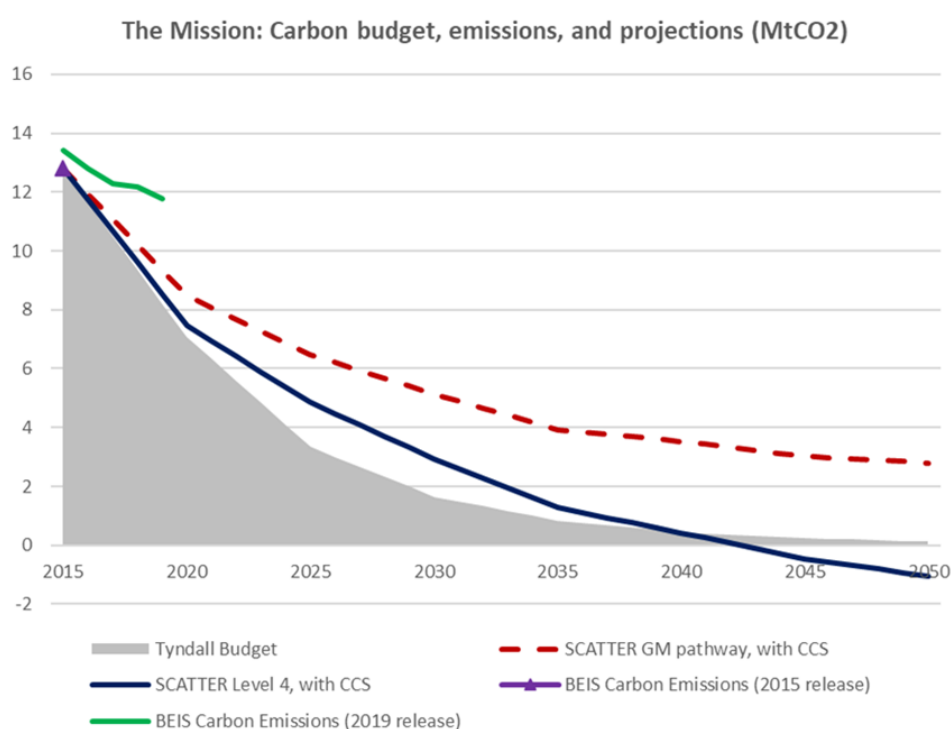
3. IDENTIFIED RISKS AND EMERGING ISSUES

3.1 Officers and sub-groups have identified a number of risks to existing, and particularly future, programme delivery. Mitigation of these risks, as far as possible, will be managed by the responsible Accountable Body.

In terms of the priorities set out in the 5 Year Plan, the following areas remain flagged as “red” (see Annex 01 - *Environment Performance Overview*).

Key risks:

- **Failure of the 5 Year Environment Plan to achieve a step change in reducing carbon emissions.** The release of data for 2019 shows a reduction of 3.24% in estimated emissions (0.76% reduction in 2018). Actual performance is lagging by 18.8% against Five Year Plan target (based on cumulative emissions from 2015 to 2019). NB: BEIS figures are revised year-on-year, so the starting point for emissions has shifted in time. The 2019 BEIS release has the 2015 figure 4.8% higher. Therefore, the ‘gap to Tyndall’ is inflated, this would mean we would need to take a steeper trajectory to keep within 71MtCO₂ by 2038.



- **Failure to meet ambitious recycling and waste diversion targets.** Current household waste recycling rate is 48%. Unverified figures for 2019/20 show no increase in recycling rate, remaining at around 48%. With diversion from landfill increasing to over 98%. Measures continue to be implemented to increase recycling rates at HWRCs and household kerbside recycling to deliver against 2025 target.
- **Failure to deliver the aims of the IGNITION project.** This is being managed through the governance arrangements in place for the project. Finance Earth is supporting GMCA and Environment Agency engagement with United Utilities to understand potential solutions to increase investment.
- **Level and depth of retrofit required to meet our overall ambitions is highly challenging.** The decarbonisation of GM's homes through deeper whole-house retrofit is being mitigated by the publication of a *Retrofit Report* to set the priorities and framework for action and, as part of that, the development of proposals for a *Retrofit Challenge Group*. GM has also joined a consortium, led by the UK Green Buildings Council and including West Yorkshire, London and the West Midlands and funded by Climate-KIC to develop proposals for city-led retrofit. An initial Market Engagement event is planned for the 19 July to help shape the Retrofit Accelerator Tender and help applicants consider how they may form consortia to successfully respond to the challenge. Additionally, the GM Skills team have produced a Skills Action Plan which with the newly actioned Low Carbon Finance Challenge Group complements the exist building and energy Challenge Groups which manage the actions arising from the Greater Manchester Retrofit Task Force, Chaired by the Mayor.

4.0 RECOMMENDATION

The Partnership is recommended to:

- Note and comment upon the progress outlined in this report and latest position set out in the dashboards attached at:
 - a. Annex 01 (Environment Performance Overview) and
 - b. Annex 02 (5 Year Environment Plan KPIs).

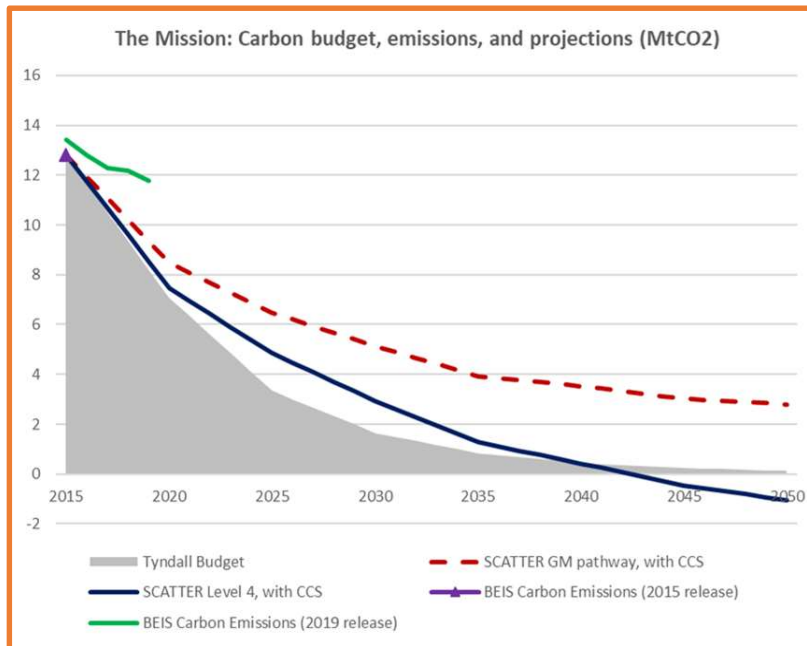
5 Year Environment Plan Performance Overview

2038 Carbon Target		Costs		Resources		Overall Delivery	
Red		Green		Green		Amber	

Priorities/KPIs			
Ref	Priorities (2024)	Status	
Energy	Reduce CO2 emissions that are produced by the energy we generate to power our buildings, transport and heat - shifting to renewable sources.	↑	Amber
Buildings	Reduce CO2 emissions that are produced by the energy we generate to power our buildings, transport and heat - shifting to renewable sources.	↑	Amber
SCP	Promote economic and resource productivity, eliminate waste and increase business opportunities through innovation.	↑	Amber
Natural Env.	Protect, maintain and enhance our key natural assets (air, land, water and biodiversity).	↔	Green
Climate Change	Deliver robust action on climate adaption to protect vulnerable communities, our economy, key infrastructure and our natural environment.	↔	Green
Transport	Improve our air quality and reduce C02 emissions that are produced by the way we, and the goods we use, travel within our city region.	↑	Green

Key Risks				
Risk Event		Risk	Mitigation Plan	Post Risk
Failure of Environment Plan to achieve a step change in carbon emissions.		Red	Regular reporting to LC Programme Group, LC Hub Board and WLT.	Red
Level and depth of retrofit required to meet our overall ambitions is highly challenging.		Red	Focus on retrofit accelerator proposals as way of overcoming these barriers in a coordinated way.	Amber
Failure to meet recycling and diversion targets.		Red	New contract in place. Waste and Resource strategy to be developed.	Amber
Failure to deliver the aims of the IGNITION project and attract private investment.		Red	Regular reporting to LC Programme Group, LC Hub Board and WLT. Finance Earth supporting GMCA and EA engagement with UU to understand potential solutions.	Amber

Carbon



The release of data for 2019 shows a reduction of 3.24% in estimated emissions (0.76% reduction in 2018). Actual performance is lagging by 18.8% against Five Year Plan target (based on cumulative emissions from 2015 to 2019). NB: BEIS figures are revised year-on-year, so the starting point for emissions has shifted in time. The 2019 BEIS release has the 2015 figure 4.8% higher.

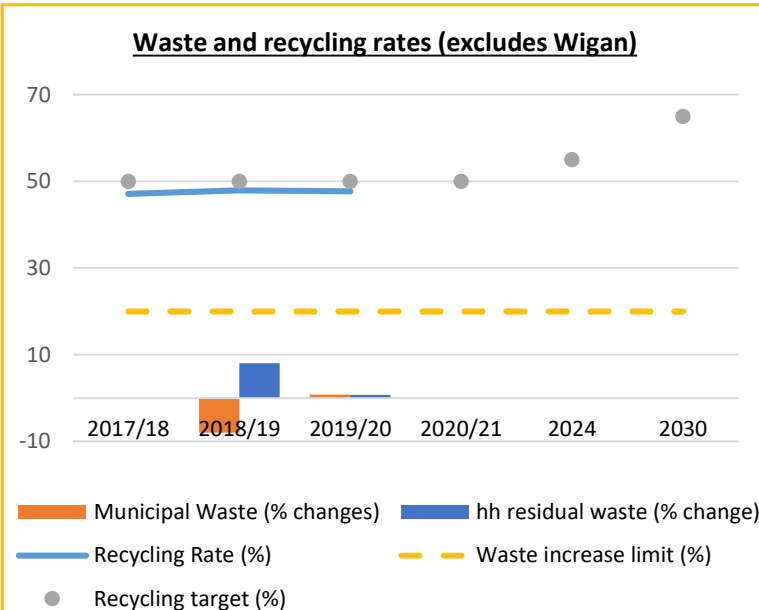
Supporting Indicators

↑ **89.0%** of GM lodgements had an energy efficiency rating of D or above (EPC/DEC) in Q2 2020. This is an increase of 1.2% from Q2 2019.

↑ **90%** of buses retrofitted to date through clean bus technology fund. **756** buses approved for retrofit funding awarded through clean bus fund (target 900+ buses). **35** electric buses deployed (3 TfGM, 32 Stagecoach).

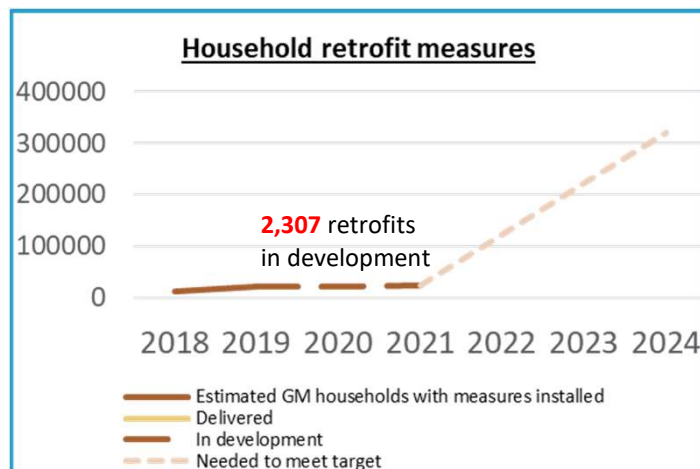
↑ **36,673** plug-in cars and light goods vehicles registered at end Q1 2020. **7** rapid charging devices installed and operational (Additional 10 by end Sept 21).

SCP



Recycling rate (2019/20) is **47.7%** down 0.2% from 2018/19 against a target of 55% for 2024. There was a 0.1% increase in municipal waste in 2019/20 from 2017/19. Compared to previous year's decrease of -8%. Household residual waste increased by 0.71% from 2018/19 to 2019/20.

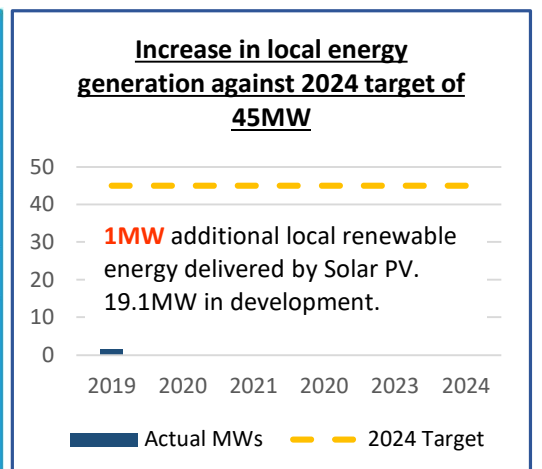
Buildings



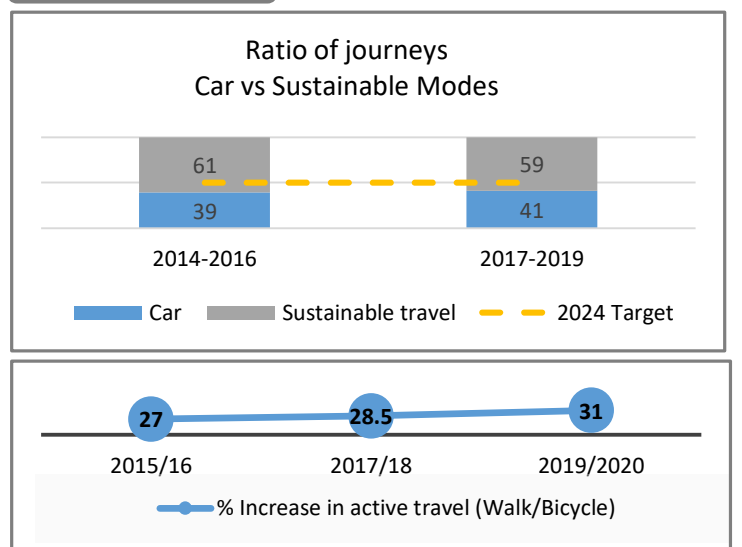
NE



Energy



Transport

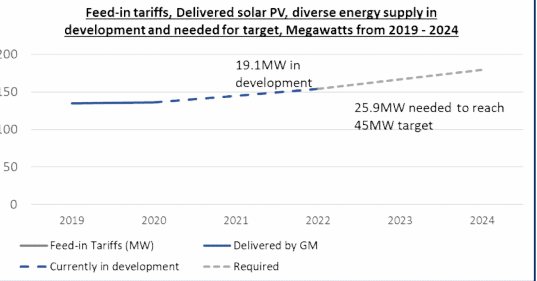
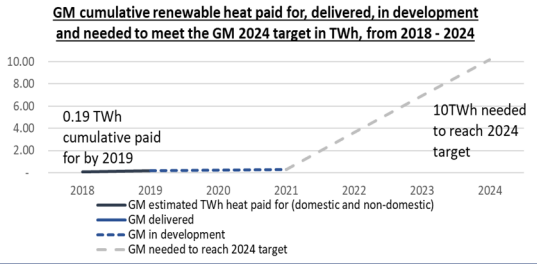


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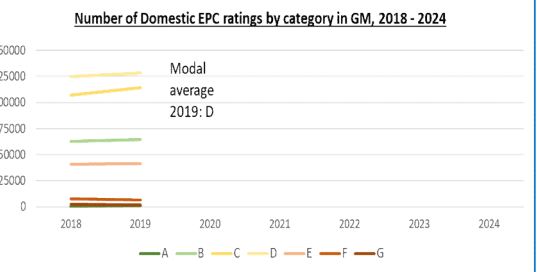
5 Year Environment Plan KPIs

5-Year Environment Plan Priorities					
Ref	KPIs (2024 Opportunity)	Status		Delivery	Delivered / In development
E1	Increase local renewable energy (electricity) generation, adding at least a further 45MW by 2024.	↑	Amber	GM Solar Together ERDF solar energy projects 10 LA Local Area Energy Plans (LAEP)	1MW delivered through GM Solar PV Phase 1 19.1 MW in development through Solar PV opportunities. 3 LAEPs in development
E2	Decarbonise how we heat buildings, adding at least a further 10TWh of low carbon heating by 2024.	↑	Amber	Heat Pump Accelerator Acceleration of Retrofit DEEP project delivery	0TWh delivered. 37 projects identified under DEEP phase 1. DEEP phase 2 commenced. 0.1 TWh (117GWh) in development through LA estate and heat networks.
E3	Increasing the diversity and flexibility of our electricity supply, adding at least a further 45MW of diverse and flexible load by 2024.	↑	Amber	LEM project	GM LEM project commenced in July 20 10MW in development
B1	Reduce the heat demand from existing homes with retrofit measures installed on a scale of 61,000 homes per year, achieving 57% reduction in heat loss.	↑	Red	LAEP, ECO, Warm Homes Fund, HAES, Green Homes Grant, SLDF	Estimated 20,862 households retrofitted in 2018/19. (Calculated using GM portion of Great Britain ECO figures – GM is 7.3% of national total). 2,700 GM public buildings in scope for retrofit with 157 currently underway.
B2	Reduce the heat demand from existing commercial and public buildings with a 10% reduction by 2025. Increase in energy certificate ratings D or above.	↑	Amber	DoPE Soft Market test MCC Re:Fit contract Heat Pump Accelerator: AoR	89% of GM lodgements had an energy efficiency rating of D or above (EPC/DEC) in Q2 2020. This 1.2% higher than in Q2 2019. 154 Public Buildings currently in development to meet DEC rating D. Opportunities also identified in primary and secondary schools, and GP surgeries.
B3	Reduce the heat demand in new buildings.			TBD	Measures on reducing heat demand in new buildings will be included in revised GMSF.
SCP1	Producing goods and services more sustainably, moving to a circular economy. 38% reduction in industrial emission by 2025.	↑	Green	SCP Framework, Sustainable Procurement Project delivery: REDUCES, CircBe, Transforms 3D, R3 One Bin	Industrial emissions down to 1,694.3 KtCO2 in 2019 compared to 1,856 KtCO2 recorded in 2018. Maximum emissions 1,150 tCO2 to reach 38% reduction by 2025 (versus 2018 baseline)
SCP2	Becoming more responsible consumers - limiting any increase in waste to 20%.	↑	Green	Public Sector Plastic Pact Delivery of waste prevention campaigns, Plastic Free GM & Refill & Reuse schemes	2019/20 shows an increase of 1% in municipal waste arisings (compared to -8% in previous year's (this is within target). Household residual waste increased by 0.71% from 2018/19 to 2019/20. Compared to previous year's increase of 8.3%. GM Refill pilot launched in 2019. 'Grab your Cup' reusable pilot delivered in Jan 2020. 2 'Renew' shops opened in June 2020. Public Sector single use plastics spend review in catering complete.
SCP3	Managing our waste as sustainably as possible to achieve a recycling rate, 55% by 2024, and 65% by 2035.	↔	Amber	GM Waste Strategy Waste scenario modelling Delivery of recycling campaigns (household)	47.7% household recycling rate for 2019/20 (exl Wigan). Diversion from landfill increased to 98.3% for 2019/20. Paper and cardboard contamination campaign delivered across 9 Districts. Waste scenario modelling complete. Recycle Right campaign (all waste streams) launched in March 2021 across 9 Districts.
SCP4	Reduce unnecessary food waste.	↑	Amber	Input to GM Food Strategy Household food waste prevention campaigns Food pilot (commercial)	Food waste prevention campaign - Buy, Eat, Keep, Repeat launched in Oldham. Supported WRAPs Food Waste Action Week 1-7th March. Work commenced on outline food strategy.
NE1	Managing our land sustainably, including planting 1m trees by 2024.	↑	Green	Nature Recovery Network GM Peatland Restoration Pilot	Final GM Peatland Restoration Pilot report approved by Defra and will feed into the forthcoming England Peat Strategy.
				Tree and woodland strategy	648173 trees planted against 1 million target by 2024 (65% of target). City of Trees (CoT) DEFRA Year 1 funding (2020/21) agreed with a target of 115 ha of new woodland creation sites/ c. 230,000 trees. Pipeline (if funding approved) would take CoT to 1.16m trees by end of 5 Year Plan period (against 1m target).
				Green Recovery Fund	216 ha of existing greenspace improved for nature.
				GM Parks Network	54 green flag awards in GM in 2020/21.
NE2	Managing our water and its environment sustainably.	↑	Green	Natural Course project	134km of water body enhanced in 2016-2018 (26% of target). Target of 542km by 2027.
NE3	Achieving a net gain in biodiversity for new development.	↑	Amber	Biodiversity Net Gain Guidance & Action plan development	BNG Action Plan finalised and shared with LPAs with key priorities identified. NE to identify key priorities in BNG Action Plan to deliver over next 6 months.
NE4	Increasing investment into our natural environment.	↑	Amber	IGNITION project GMEF investment strategy	IGNITION project underway. Investment strategy to be developed by Environmental Finance.
NE5	Increasing our engagement with our natural environment.	↑	Amber	Natural Environment Toolkit Urban Pioneer	Natural Environment Toolkit launched September 2020. Delivery of GM Social Prescribing programme.
				Partnership work with City of Trees, RHS, Sow the City and Groundwork.	12,234 volunteers engaged in volunteer work related to the Natural Environment since 2018/19. 36,970 volunteer hours spent on the natural environment since 2018/19.
				Partners delivery to increase access to greenspace.	43.3% of GM homes with access to 2 ha of greenspace within 300m of home.
CC1	Embedding climate change resilience and adaptation in all policies.	↓	Amber	Policy development including Resilience Strategy	Resilience Strategy released April 2021.
CC2	Increase the resilience of and investment in our critical infrastructure.	↑	Green	Greater Manchester Infrastructure Strategy GIS mapping	Briefing for additional GIS analysis complete.
				Flood risk policy in GMSF	Flood risk policy has been drafted
T1	By 2040 increase the use of public transport and active travel modes to support a reduction in car use to no more than 50% of daily trips made by Greater Manchester residents with the remaining 50% made by public transport, walking and cycling.	↔	Green	Increase use of sustainable modes of transport	Current ratio of journeys made by car vs sustainable modes of transport is 41/59 (2017-2019) against a target of 50/50 for 2040 and compared to 39/61 in 2014-2016. 31% active travel modes (29% walk, 2% cycle) in 2018-2019. Up from 28.5% of all trips made by cycling/walking in 2017/18 and 27% in 2015/16. Mayor's Challenge Fund (MCF) has now approved £84m of schemes including £40m of full business case approvals. Targeting completion of 100km of Bee Network routed before the end of 2021.
				Phase out of fossil-fuelled private vehicles and replace them with zero emission (tailpipe) alternatives	36,673 plug-in cars and light goods vehicles registered at end Q4 2020 compared to 5,090 plug-in vehicles at end Q2 2020 (620% increase). Sharp increase is due to a leasing company registering a large number of its vehicles in one SK postcode, artificially raising the figures. Be.EV launch website at be-ev.co.uk. Be.EV network established via EVCI Contract
T2	Phase out of fossil-fuelled private vehicles and replace them with zero emission (tailpipe) alternatives and implement a charging infrastructure to support expansion of 200,000 EV vehicles in our city-region by 2024.	↑	Green	Implement a charging infrastructure to support expansion of 200,000 EV vehicles	GM Zap Map data as of 13/07/2020: 4 ultra-rapid charges (-), 58 rapid charges (+2), 442 fast devices (-4) and 29 slow devices (-). Early measures Project - 7 rapid charging devices installed and operational. Additional 10 by Sept 2021. Expansion of the city region's Electric Vehicle charging network ongoing.
				Clean Air Plan	Funding secured via Clean Air Plan proposals to support the uptake of Zero Emission capable taxis.
T3	Tackle the most polluting vehicles on the road. (Up to 200,000 low carbon vehicles by 2024).	↑	Green	Clean Air Plan	Funding secured via Clean Air Plan proposals to support the uptake of Zero Emission capable taxis.
T4	Establish a zero emissions free bus fleet. 100% of all buses are zero emissions (tailpipe) by 2035.	↑	Green	Zero emissions bus fleet Bus retrofit	3 zero emission buses in TfGM fleet to-date. Stagecoach deployed first of 32 full EV double deck buses. 90% of buses retrofitted to date through clean bus technology fund. As at the end of May 2021, there have been 63 applications made by 18 operators through Clean Bus Fund (CBF). The total number of buses eligible for retrofit funding that has been approved is 756 (target 900+ buses). The total funding that has been approved is just over £11.7 million.
T5	Decarbonising freight transport and shifting freight to rail and water transport.	↑	Amber	Delivery of freight roadmap	GM Freight Strategy and Action Plan signed off at GMCA level.

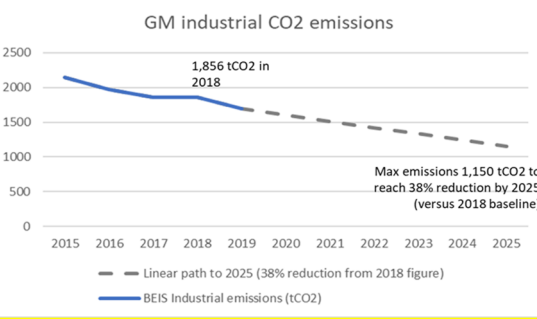
Energy



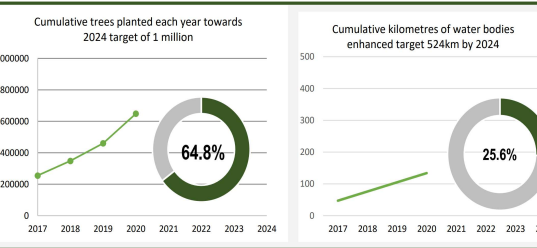
Buildings



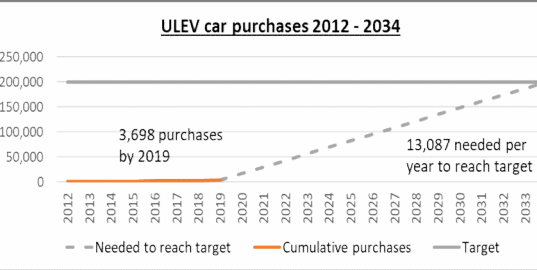
SCP



NE



Transport



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Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: **WORK PROGRAMME 2021 & CHALLENGE GROUP UPDATES**

Report of: **Mark Atherton on behalf of Challenge Group Chairs**

PURPOSE OF THE REPORT:

The purpose of this report is to outline the progress made by the 5 Year Environment Plan (5YEP) Challenge Groups in developing their key priorities through Task and Finish Action groups.

The accompanying presentation (located in the presentation pack) provides an updated overview of the Challenge Group priorities and how these are being delivered through Task and Finish Groups.

At their last meeting, many of the Challenge Groups reflected on the work of the previous twelve months and began to develop thinking about priorities for 2021/22. An updated work programme for the Challenge Groups will therefore be presented at the July Partnership meeting.

RECOMMENDATIONS:

The Partnership is asked to:

- Note the progress in developing the Mission Based Approach and the associated Challenge Groups and Task and Finish Groups activity.
- Note that updated work programmes will be presented to the July Partnership meeting.

CONTACT OFFICERS:

Mark Atherton: mark.atherton@greatermanchester-ca.gov.uk

1.0 BACKGROUND

The 5YEP Challenge Groups have all met in the last quarter and have established key priority areas to be addressed by the Task and Finish Groups this year. Their progress is being supported and monitored under the Mission Based Approach, as set out in the Five Year Environment Plan and Local Industrial Strategy.

2.0 COMMUNICATIONS AND BEHAVIOUR CHANGE

- **Key Messages** group has discussed how partners in the Green City Region can “speak with one voice” when communicating action which supports the Five Year Plan. The symbol of the Green Bee was agreed as the most appealing symbol of the Green City Region to businesses and individual carbon generators and we now have permission to use the symbol from Manchester City Council.
- **Talent and Ambassadors** led by the BBC and GMCA has identified influential spokespeople who will speak on behalf of and be supportive of GM Green City work. Care is being taken to ensure that spokespeople reflect the diversity of the region and feature people who have an appeal across all audiences and sectors.
- **Behaviour Change** led by the Carbon Literacy Project, has looked at best examples of behaviour change in GM, identified key gaps and looked at target groups. Carbon Literacy training, focused around communicating the climate emergency, is pending for all Communications Challenge Group members. A bespoke piece of work, with key stakeholders has commenced on citizen engagement and sustainable lifestyles to develop a work programme for the next year.
- **Green Summit and COP26 activity**, led by GMCA will be supported by the Communications Challenge Group to ensure the event reflects the Green City Region and successfully reaches residents and businesses across GM.

3.0 ENERGY INNOVATION

- **Energy Innovation Agency**, a partnership between the three universities, SSE and Bruntwood has formed a steering group which, having agreed a governance structure, is developing suitable Terms of Reference and a Collaboration Agreement acceptable to all parties. Role profiles for the two senior posts have been agreed and recruitment has commenced. In addition, work has started on the messaging, USP development and value propositions to support the Business Development Lead once recruited.
- **Solar PV activity across the region.** As previously reported, we are aware of 7+MW of planned solar PV installs through the Energy Systems Catapult ERDF funded project. The GM Solar Together homeowner project has now completing the final installs, with cr1MW of generation and storage capacity installed leveraging

circa £1.1m. A further 8.2MW of solar PV is proposed under the GMCA-led Public Sector Decarbonisation Scheme project (see 4.0 for further details). It is also understood that two GM schemes have applied for Rural Community Energy Funding to install circa 6MW of Solar in the city region. A paper has been prepared outlining the proposed approach to the development and delivery of GM-wide low carbon energy generation pipeline and route to market. This has been presented at the Decarbonising of Public Estate and the Programme Delivery Executive meetings and the approach was agreed by both groups

4.0 LOW CARBON BUILDINGS

- **Retrofit Taskforce** is chaired by the Mayor of GM and brings together relevant organisations to work on developing a detailed action plan to deliver home and building retrofit at scale. The group has held two meetings and has focused on skills, finance and accelerating delivery. There is crossover with some of the members of the Low Carbon Buildings Challenge to ensure that the work of the challenge group supports that of the taskforce.
- **Retrofit Accelerator (RFA)** - a discussion paper outlining the approach and required work packages has been presented internally within GMCA obtaining approval to commission a study into consumer insight focused on demographics, complimenting current stock condition modelling. This work has identified 3 market segments, who together represent 31% of GM homeowners, who would be open to messaging and taking action on retrofit. It also gives insights into which messaging will have most impact in which groups. A discussion paper has been taken to the Programme Delivery Executive meeting and agreed on by the group. This will now form part of the work programme of the Retrofit Taskforce
- **Skills Group** led by GMCA and supported by a number of partners has developed a GM Retrofit Skills Action Plan. The plan sets out an informed short, medium, and long terms skills plan, matching skills support with employment demand, which supports the development of retrofit skills at the correct scale to ensure employment opportunities are achieved. Using ESF Skills for Growth the GMCA Work and Skills Team have started to implement Short Term Skills Action Plan, which is key to developing high quality retrofit skills, with progress taking place in the following areas:
 - A programme of Retrofit training worth approximately £1.5 million, funded through ESF Skills for Growth will be commissioned imminently. This package will offer a variety of training focused on upskilling existing trades and professionals within employers and has been developed to respond to the current scale of skills need regionally.
 - This commission will also pilot CPD for skills providers who lead construction provision within their institutions. This CPD will focus on upskilling these skills providers in retrofit but also to carry out pilot projects to embed retrofit skills delivery within curriculums and carry out a feasibility study for their organisation to understand the capital resource they would need to deliver new content and training for retrofit skills at scale.

- **Public Buildings** led by GMCA a consortium of 15 partners (10 Districts, GMP, GMFRS, TFGM, MFT and RNCM) submitted a bid to the Public Sector Decarbonisation scheme for £80.7m grant funding of public sector building energy retrofit measures (energy efficiency and generation). A formal Section 31 grant offer from BEIS for very close to the full allocation was received at the end of February. Procurement activity is now being mobilized with a view to all schemes being delivered by end of Sept 2021. This was the largest bid into the fund and its success demonstrates the strength in GM collaboration. In parallel to this, £450k of grant funding from the Low Carbon Skills Fund has also been secured to support delivery of the PSDS projects and the production of Building Energy Decarbonisation Plans, which will be used to map a pathway to expedite decarbonization of the wider public sector estate.
- **Heat Pump Accelerator** led by Southways Housing is a new task and finish group that has been set up to look at accelerating the installation of heat pumps in GM. The group is being has agreed three key issues to focus on, affordability, noise and network connectivity. Two meetings of the group have taken place.

5.0 NATURAL ENVIRONMENT

- **Implementation of the GM Tree & Woodland Strategy (All our Trees)** led by City of Trees - The Trees for Climate initiative is a 5-year government funded programme of tree planting. City of Trees co-ordinated the planting of 133,385 trees in the 20/21 planting season and is now developing Yr 2 of the planting programme. In May the Framers Resilience Fund was launched to incentivise more farmers to come forward with sites for planting. CoT has worked with the GM Forests Partnership to pen a letter to the Environment Secretary requesting support for the development of a GM Ash Die Back Action plan. This has been signed by the GM Environment portfolio holder.
- **Natural Course** – work is underway on planning Phase 4 of the project, which begins in the autumn. A request for an amendment was submitted to the EU at end of June 2021, this includes projects to address invasive non-native species, especially Giant Hogweed, in the River Irwell catchment. The first meeting of the GM Water Forum was held on 18th June 2021 as part of the GM Natural Capital Group annual conference. Consultants completed detailed river habitat survey of the Whittle Brook waterbody within the Northern Gateway strategic allocation site (Bury & Rochdale districts). GMCA, Environment Agency & United Utilities re-issued request for quotation for consultants to study micro plastic contamination of rivers in GM
- **Support local authorities in implementing Biodiversity Net Gain** – A webinar was held in February focused on BNG in Greater Manchester and had over 250+ attendees from local authorities, developers and other interested stakeholders. To follow that up, bespoke CIEEM accredited training is being delivered for local authority planners, concluding in March, to raise awareness and knowledge of BNG and its implications for Greater Manchester. GM BNG Guidance has also been updated and issued. The GMCA is also seeking to commission work to understand

how it can support local authorities and partners to bring forward proposals to deliver off-site BNG.

- **Nature Recovery Network** – the pilot was concluded at the end of May and maps existing habitat and species distributions and highlights the key priorities for nature's recovery. The draft document will be published alongside the national strategy.
- **GM Environment Fund** – partners across GM, working through the umbrella of the GMEF, were successful in securing £1.8m of funding from the first round of Defra's Green Recovery Challenge Fund in December. In addition, Suez is putting its £200,000/year social value contributions through the GMEF. Both of these, though in particular the Green Recovery Challenge Fund, will provide for resource to develop the GMEF further and attract further funding. Projects being delivered under the Green Recovery Challenge Fund are now underway and the call for projects under the SUEZ Community Fund recently closed. The GMEF is still awaiting the decision on the application to Investment Readiness Fund to take forward BNG and carbon offsetting investment models still waiting for decision
- **IGNITION** – a planning support tool to identify priority areas for green infrastructure implementation is in development. An international review has been conducted of green infrastructure targets, with the implications of each approach to be presented to a forthcoming NCG meeting to inform GM's GI target setting process. An external-facing 'interim report' to be launched to share key successes, learnings, challenges, and outputs to date. Funding Stream 1: Feasibility study of sites within UU's priority areas is ongoing, with specific technical and financial benefits to UU being modelled to inform the business case for investment. Future Funding Streams: Planning underway for a contactless donations trial in local parks. Network modelling of a neighbourhood SuDS programme in Walkden is ongoing. User testing of a green roofs cost-benefit calculator is underway, and a consultant has been appointed to map potential green roof retrofit locations in Manchester and Salford. NBS Living Lab: A successful launch of the Living Lab at the University of Salford took place in mid June as part of the NCG conference.
- **Social prescribing** – following a successful bid led by the GM Health and Social Care Partnership, GM was selected as one of 7 national pilots to trial the delivery of green social prescribing over the next two years. £500,000 of new funding was secured and will include delivery of 3-5 locality trials together with an overarching programme of support to scale up and share the learning. A call for submission of projects to deliver on this closed in February and proposals have been analysed.
- **NCG indicators** – work is ongoing to collate a comprehensive set of indicators for the natural environment that will help the group measure its progress against the 5YEP.

6.0 SUSTAINABLE CONSUMPTION AND PRODUCTION

- **Procurement policy drivers/interventions** is working to identify carbon hotspots, priority sectors and contracts to target. It will look at 'redlines' to include in contracts

e.g. carbon neutral travel to work, local supply chain and good employment charter. A study has commenced on how local levers can be used to encourage people and businesses to take more environmentally sustainable actions in Greater Manchester. This includes all local levers including legal, regulatory and policy control and could include procurement protocols, local authority taxes and levies and the use of 'soft power'.

- **Public Sector Plastic Pact** will develop a common approach for targeting single use plastic consumables and plastic packaging across GM public sector and hence, remove inconsistency, and inform the development of authority led plastics strategies across GM. A draft report with recommendations has been produced and will be considered at a Heads of Procurement meeting in the near future.
- **Food** - work to look at supply chains is about to commence with STaR and AGMA Procurement to explore procurement avenues within catering and schools and work has resumed to create a Greater Manchester Food Strategy.
- **Circular Economy resource flow mapping** has commenced with University of Manchester to capture material flows within the City Region.

The **SCP Plan** has recently been taken to the SCP Challenge Group and the priority actions were agreed by the group. The next step is to look at where the group can support and what new members need to be invited to support delivery.

7.0 5YEP IMPLEMENTATION FORUM

- **Review of Green City Region activity** – received presentations and provided feedback on:
 - Role of business in delivering the 5YEP
 - LA UK100 framework
- **Green Summit and COP26** – provided feedback on the Green Summit/COP26 including content, structure and format.

The group has also reflected on its role in supporting delivery of the 5YEP and these changes have been reflected in the Terms of Reference.



Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: Local Area Energy Plan - Bury

Report of: Sean Owen, Head of Low Carbon

PURPOSE OF REPORT:

The purpose of this report is to outline the progress made in the production of Local Area Energy Plans for the Greater Manchester region and our individual 10 districts.

RECOMMENDATIONS:

Members are requested to:

1. Note the progress made in the production of Local Area Energy Plans
2. Provide comments on the initial Bury district plan (Annex A)

CONTACT OFFICERS:

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1. INTRODUCTION/BACKGROUND

1.1 As part of the Local Energy Market project, funded by Innovate UK, GMCA has let a contract to produce a Local Area Energy Plan for the Greater Manchester region and our individual 10 districts.

1.2 The objectives of this commission are to:

- Produce a Greater Manchester wide Local Area Energy Plan, which utilises and builds on existing evidence and activity from network operators, Transport for Greater Manchester, the 10 districts and GMCA.
- To inform and raise awareness across the region's many actors, consumers, and residents, of how the region/districts can transition to carbon neutrality using local area energy planning.
- To identify energy opportunities to meet NPPF paragraph 151 'to b) consider identifying suitable areas for renewable and low carbon energy sources, and supporting infrastructure, where this would help secure their development.' Regard should also be given to the Planning Practice Guidance for Renewable and Low Carbon Energy (Paragraph 005) and the proposals should be of sufficient detail to enable a strategic allocation within the next iteration of the GM Spatial Framework.

1.3 The commission will:

- Include a defined and agreed **red-line boundary and scope** relevant to the Greater Manchester boundary.
- Produce a **Stakeholder Engagement Plan** with specific measures to cultivate the necessary support for the proposed GM LEAP throughout the Greater Manchester area including public sector, social landlords, businesses, NGOs, and other relevant local groups.
- **Provide a high-level assessment and quantification of low carbon project interventions** available now and in the future provided at the city region, district and 6-digit post code level.
- **Quantify the level of investment required and carbon savings achievable** by the identified interventions, the opportunities, high level risks and barriers to their delivery.

2. PROGRESS

2.1 Energy Systems Catapult were commissioned via an OJEU framework in October 20 and, to date, have drafted 3 Local Area Energy Plans for Bury, Manchester and Salford as part of Phase 1 delivery.

2.2 Bury is the most complete of the three districts, as this was the original forerunner district in a previous programme.

2.3 The Local Area Energy Plans each utilise the following 4 scenarios to ensure a consistent approach is taken across the region and all 10 districts

- **Scenario 1: GM Leads the Way**
Greater Manchester leading the way with immediate action. **Why?** The optimised scenario to drive local plans – focusing on GM meeting its carbon budget and target by making the use of proven measures within its local control where at all possible
- **Scenario 2: An Alternative Future**
Hydrogen into the grid. **Why?** Hynet Phase 3 (gas grid repurposing for hydrogen from 2030 onwards) is speculative and may arrive too late for Greater Manchester's carbon budget, so there is a question over whether the possibility of it should impact current decision making?
- **Scenario 3 & 4: Counterfactuals for context**
Electrification Only
Hydrogen only

2.4 Utilisation of the above scenarios inform the individual plan outcomes under:

- **Heating Zones:** Standalone electrification of heat, heat networks (low and high temperature) and/or hydrogen ingress
- **Retrofit Zones:** Greater understanding of the housing stock and wider building stock, reviewing retrofit by basic, deep and/or no change.
- **Energy Network impact:** Identifies areas of requiring capacity upgrades at high and low voltage to ensure a whole system impact review is undertaken.
- **Local Energy Generation and Storage:** identification of areas where either renewable generation or storage should be considered to support our low carbon transition.
- **EV Charging:** High density areas of housing without off street parking identified and mapped to support future EV charging infrastructure planning.
- **Cost and Investment Need:** Identification of the potential energy network investment need, to support the above.

2.5 However, district plans will all not be the same. Each plan will be individual to the respective district, their building archetypes, demographic, and network needs e.g., demonstration and scale up priority areas including Heat Network and Hydrogen ingress, are very different when comparing Bury to Manchester.

2.5 In order to ensure we capture wide stakeholder input, an online retrofit consultation will also commence from August 3rd, with the output being to:

- Inform
- Consult
- Understand retrofit and future heating preferences

- 2.6 As the consultation will extrapolate post code related data directly from the Local Area Energy Plan, the consultation will provide real feedback and refinement to how we seek to deliver, target and win over hearts and minds in the future.

3. RECOMMENDATIONS

Members are requested to:

1. Note the progress made in the production of Local Area Energy Plans
2. Provide comments on the initial Bury district plan (Annex A)



Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: Sustainable Consumption and Production (SCP) Plan

Report of: Sarah Mellor, Head of Sustainable Consumption and Production,
Environment Directorate, GMCA

PURPOSE OF REPORT:

The report provides the Partnership with the draft SCP Plan for consideration and will be accompanied with a presentation at the meeting.

RECOMMENDATIONS:

Members are requested to consider and provide feedback to the draft SCP Plan.

CONTACT OFFICERS:

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1. Introduction

- 1.1 The draft SCP Plan forms part of the suite of documents underpinning the 5 year Environment Plan. The draft Plan, set out in Annex 01, focuses on four key areas:
- Moving to a Circular Economy
 - Managing Waste as sustainably as possible
 - Reducing food waste; and
 - Sustainable lifestyles
- 1.2 The format of the plan illustrates the scope within the plan, why Greater Manchester needs to act, where we need to get to, what's required and how we intend to deliver the plan.
- 1.3 At the meeting Members will also receive a presentation setting out an overview of the plan along with details of the work that has already commenced within each of the areas.

RECOMMENDATIONS:

Members are requested to consider and provide feedback to the draft SCP Plan.



Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: COP26 Preparations & Green Campaign

Report of: Sarah Mellor, Head of Sustainable Consumption and Production,
Environment Directorate, GMCA
Hayley James, Assistant Director, Communications, GMCA

PURPOSE OF REPORT:

To provide the Partnership with an overview of the Green Summit for 2021 and activities proposed for COP26.

RECOMMENDATION:

The Partnership is requested to consider the report and endorse the approach to the Green Summit and COP26.

CONTACT OFFICERS:

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Hayley James, Assistant Director, Communications

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1. BACKGROUND

1.1 Between 1-12th November 2021 the United Nations' (UN) Climate Change Conference, known as COP26 will be held in Glasgow. The Conference will have 2 main zones:

Blue Zone: Held at the Scottish Events Campus (SEC) for International negotiations; and

Green Zone: Held at the Glasgow Science Centre for the UK Government Showcase.

1.2 There are four overarching strands to negotiation:

1. Mitigation: Secure global net zero and keep 1.5 degrees within reach
2. Adaptation: Urgently adapt to protect communities and natural habitats
3. Mobile Finance
4. Collaboration: Work together to deliver

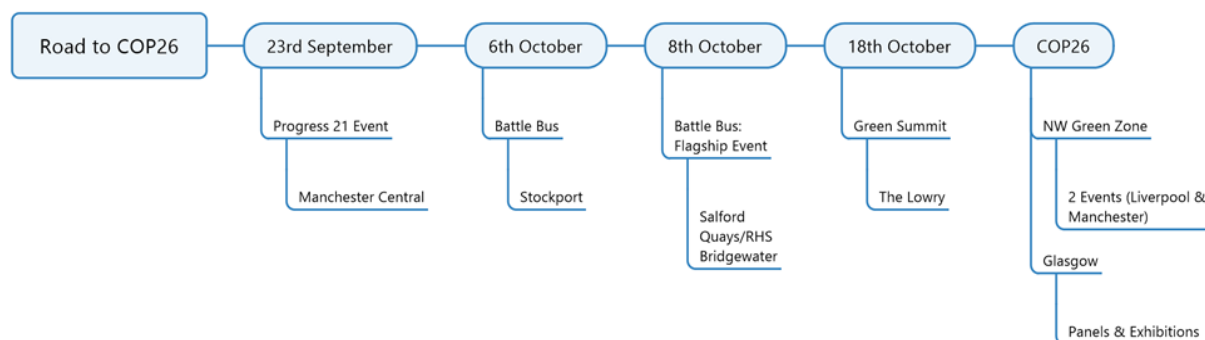
1.3 As well as the strands to negotiation, there are also five UK Presidency themes which the conference will be focusing on:

1. Adaptation and resilience
2. Nature
3. Energy
4. Transport; and
5. Finance

1.4 Given the international nature of the event, organisations needed to summit expressions of interest to be part of the Green Zone in Glasgow.

2. ROAD TO COP26

2.1 To maximise Greater Manchester's platform ahead of COP26, a number of events are being organised to showcase the work that's happening within Greater Manchester and the progress we are making to become carbon neutral by 2038. The timeline below shows activities that are currently scheduled.



Timeline: Road to COP26

2.2 Greener GM Campaign

Working with Marketing Manchester a campaign has been developed to promote Greater Manchester's progress. The campaign will communicate GMs strengths, innovation and bold ambition across the Green Agenda, targeting audiences as a place to live, work and invest. It also will raise awareness of Greater Manchester's role in helping drive the UK as a global leader in net zero innovation.

A part of this campaign, Progress 21, an event organised by The Growth Company is taking place on 23rd September 2021 at Manchester Central offering a wide-ranging programme of support to residents and businesses across Greater Manchester.

2.3 Zero Carbon Tour (The Battle Bus)

The Zero Carbon Tour plans to act as a golden thread bringing together powerful examples of sustainability actions and innovation from across the country in the build up to COP26. Throughout the tour "carbon stories" of actions and initiatives being taken by organisations, community groups, services and individuals that play a part in creating a sustainable future for the United Kingdom will be gathered and shared on the Tour's website to inspire others around the country (and beyond) to take similar action. The most impactful examples of sustainability action gathered during the Tour will be showcased at COP26 to inspire others to create similar initiatives around the world.

The tour is scheduled to be in the North West at the start of October. Currently 2 events are being held within Greater Manchester, including a flagship event which will start at Media City in Salford Quays and end with an event in RHS Bridgewater.

2.4 Green Summit

This year's Green Summit is scheduled to be held on 18th October 2021 at the Lowry. The event will primarily focus on showcasing engaging activities featuring communities and SMEs in the morning with the afternoon session moving into more regional activities.

2.5 North West Events

Due to Glasgow being inundated with expression of interests to attend the Green Zone, BEIS are funding virtual Green Zones throughout the country which will be held on 11th November, to tie into the 'cities' day being held in Glasgow. The North West are working in partnership to potentially deliver two events, one being held in Manchester and another being held in Liverpool.

3. RECOMMENDATIONS

The Partnership are requested to consider the report and endorse the approach to the Green Summit and COP26.

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Greater Manchester Green City Region Partnership

Date: 29th July 2021

Subject: Local Nature Recovery Strategy Pilot

Report of: Sam Evans, Head of Natural Environment, GMCA

PURPOSE OF REPORT:

The purpose of this paper is to outline the work carried out in undertaking a pilot Local Nature Recovery Strategy (LNRS) for Greater Manchester and to seek approval for publication of the pilot report.

RECOMMENDATIONS:

Members are requested to:

1. Note the work carried out in delivering a pilot LNRS in Greater Manchester.
2. Note the intention to publish the report from the pilot (draft at Annex A).
3. Note the likely longer-term requirements regarding the adoption of an LNRS once the Environment Bill and underpinning legislation comes into force.

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1. BACKGROUND:

In autumn 2020, Greater Manchester was selected by government as one of five areas to pilot the creation of a Local Nature Recovery Strategy (LNRS). These strategies will become a requirement for Combined/Local Authorities to create and implement from next year, once the Environment Bill, currently before parliament, is enacted.

LNRS will introduce a new system of spatial strategies for nature and are designed to support the implementation of a Nature Recovery Network across England. The intention is that LNRS will then drive action locally to support nature's recovery and deliver wider environmental and social benefits. This includes their use in prioritising future funding streams, including from Biodiversity Net Gain (see paper on Biodiversity Net Gain) and the future Environmental Land Management scheme (ELMs) which will succeed and replace current payments to farmers/landowners as support transitions post-Brexit.

The pilot LNRS was required to include the following components:

- A map of the current core wildlife sites and habitats – those sites that are already good for nature (e.g. Sites of Biological Importance).
- A set of outcomes – what a place wants to see delivered for nature's recovery and wider environmental benefits (e.g. functioning and species diverse lowland raised bog habitats storing carbon, reducing flood risk and improving water quality)
- A set of measures – what would deliver those outcomes (e.g. rewetting currently degraded lowland peat).
- An opportunity map – showing where these measures could be implemented (e.g. Chat Moss).

2. GREATER MANCHESTER'S PILOT:

The pilot started in autumn 2020 and concluded at the end of May 2021. Government's aim in piloting the development of the strategies was to inform how LNRS should be rolled out nationally from next year. For Greater Manchester, the pilot has provided us with the resources to build on previous work in this area and bring this together into a single document.

The process of delivering the pilot has been collaborative and locally led involving the following key steps and engagement:

- 9 publicly facing engagement sessions to discuss the most important issues for nature in Greater Manchester
- Focused workshops with strategic partners - NGOs, charities and private sector organisations – to co-design the content and material details of the strategy
- A Greater Manchester wide online consultation to determine the most important and pressing issues facing nature
- Update and feedback sessions delivered to all Local Authority policy and planning colleagues

This has all amounted to over 180 hours of engagement and design with a wide variety of stakeholders.

As a result of this engagement, GMCA produced a pilot report containing a prototype strategy, which was submitted to Defra as the output of the pilot at the end of May.

3. SUMMARY OF THE PROTOTYPE STRATEGY:

The prototype strategy within the pilot report contains the following sections:

1. Introduction: this section links the Strategy to other GM plans, discusses the status of an LNRS (once enacted) and outlines how it was developed and who can use it.
2. Why we need a Local Nature Recovery Strategy: summary of the biodiversity emergency and the wider environmental benefits that can be gained through nature recovery and through implementation of this strategy – these details are expanded on in the latter section ‘Achieving nature recovery’.
3. The basis for nature’s recovery: this section covers the principles of nature recovery, outlining GM’s existing sites that are good for biodiversity and the need for these sites to form the foundation of the Strategy.
4. Space for nature’s recovery: using the National Character Areas (NCAs) and GM’s key strategic habitats, this section describes the geography and biology of GM as a basis of what might be achieved and where (which is covered in the subsequent section).
5. Achieving nature recovery: this section details the key outcomes (what needs to be achieved for nature) and the measures (how to achieve the outcome). Represented in a table, it links what the engagement process told us is needed for nature to the steps required to achieve each one of these. The Outcomes also describe the wider environmental benefits that can also be achieved if successfully implemented, such as, carbon capture and storage, flood resilience and other climate change mitigations, enhancing soil health and providing better access and links into nature for communities. This section ends with a series of maps that outline the best areas for delivering the outcomes. The maps tell us that, theoretically, if we could deliver these outcomes, doing it in these strategic locations would offer the best chance for nature’s recovery as well as the wider environmental benefits.
6. Implementation: this final section draws on the distinction between a strategy and an implementation plan. It outlines what different users will need to consider when looking to implement elements of the strategy.

4. PUBLICATION OF THE DRAFT LOCAL NATURE RECOVERY STRATEGY:

Given the Mayor’s manifesto commitment to “work together with councils and deliver on our Nature Recovery Plan” and the significant work carried out during the pilot, it is recommended that the pilot report be published. In advance of LNRS becoming a statutory requirement, publication will help realise the following benefits:

- Align nature recovery efforts across all partners and landowners in Greater Manchester, thereby increasing the potential of obtaining future funding streams aligned with the Greater Manchester Environment Fund.
- Focus resources onto the most pressing issues facing nature and biodiversity in Greater Manchester.

- Help achieve wider environmental benefits such as flood risk mitigation, water quality improvement, air quality improvement, carbon capture and storage and mitigate other climate change risk factors.
- Connect residents with a greater amount of natural space.
- Allow for a 12+ month learning period that will enable an improved version of the prototype strategy to be produced in 2022.

When Local Nature Recovery Strategies become mandatory to develop from next year, the GMCA will likely be required to complete the following steps:

1. Review the work carried out during the pilot.
2. Ensure the strategy meets the guidance and secondary legislation to be provided by Defra.
3. Run a public consultation on the strategy.
4. Obtain sign off from the Secretary of State.

Given the above and the lack of clarity from government as to how LNRS will fit within the planning system (and any proposed reforms), publishing the work of the pilot within a report is recommended, rather than formally adopting a strategy at this point. A brief on this and how the pilot report fits within the current and future planning system, and with local plans and the Places for Everyone joint plan, is attached at Annex B.

5. IMPLEMENTATION:

Defra funding only covered the development of the LNRS as a strategic document and has not provided funding for an implementation plan or the practical delivery of measures on the ground (beyond funding already announced for tree planting and peatland restoration). There remains a significant gap in terms of funding the ambition and measures set out in the LNRS which we will continue to make the case to government to address.

6. RECOMMENDATIONS:

Members are requested to:

1. Note the work carried out in delivering a pilot LNRS in Greater Manchester.
2. Note the intention to publish the report from the pilot (draft at Annex A).
3. Note the likely longer-term requirements regarding the adoption of an LNRS once the Environment Bill and underpinning legislation comes into force.



Greater Manchester Clean Air Plan

June 2021



Cleaning up our air

Air pollution is linked to a range of very serious health conditions and contributes to early deaths. Greater Manchester (GM) is taking action to improve air quality on local roads – now and for future generations.

All ten GM local authorities have worked together to develop a joint Clean Air Plan. This includes:

- A government-mandated category C charging GM-wide Clean Air Zone, to secure compliance with nitrogen dioxide (NO₂) legal limits on local roads in the shortest possible time, and by 2024 at the latest.
- Multi-million pound funding support for GM businesses and organisations to upgrade eligible non-compliant vehicles.

Following a review of all the information gathered through the eight-week long public consultation in 2020 – and wider data, evidence and modelling work – the final Clean Air Plan has now been published. The plan will be considered by ten GM local authorities by the end of July 2021.

Changes to the GM Clean Air Plan

Analysis of Greater Manchester's air quality has shown that short term improvements in air quality during the pandemic will not be enough to meet legal limits for harmful nitrogen dioxide emissions in the longer term without a Clean Air Zone.

The final plan takes into account the impact of the pandemic on GM businesses who need support to upgrade their vehicles, while making sure that the city-region improves its air quality in the shortest possible time.

Key changes include:

- Temporary exemption from the daily Clean Air Zone charge until 31 May 2023 for taxis and private hire vehicles (PHVs) licensed in Greater Manchester. Vans, minibuses, GM-registered coaches and wheelchair-accessible taxis were already exempt from daily charges until 2023. This is due to the economic impact of the pandemic on those sectors.
- Increased grant funding will be available for those who need it most, including PHVs, coaches, HGVs and vans.
- More options for replacement and retrofit for hackney carriages, PHVs, minibuses and vans.
- Feedback from the consultation highlighted motorhomes can be classified in more than one way by the DVLA. It is recommended that a consultation is held on the inclusion of motorhomes classified as M1SP in the GM Clean Air Zone charges.
- Following feedback, minor modifications have also been made to the Clean Air Zone boundary to include the A575 and A580 at Worsley, subject to consultation.
- Insufficient government funding has been allocated to deliver the 'Try before you buy' electric vehicle hackney carriage scheme. It's proposed the £0.5m allocated will be used to install up to eight additional electric vehicle charging points dedicated for hackney carriage and PHV drivers.

Daily charges remain the same, as lower charges mean more are likely to 'stay and pay', which imposes costs onto businesses without delivering air quality benefits.



Proposed Final GM Clean Air Zone changes at a glance

GM-wide CAZ C implemented from 31st May 2022* - with more time, more money and more options for those most affected

*Temporary exemptions to 31 May 2023 for LGVs, coaches, GM-licensed hackney carriages and private hire vehicles.

- Propose to consult on the inclusion of the A575 and A580 at Worsley.
- No change to the hours of operation or management of the scheme proposed.
- Propose to consult on inclusion of M1SP motorhomes for parity between vehicles of the same type.

Daily charge levels

No change to charges proposed.

Lower charges mean more people stay & pay imposing costs on businesses without delivering air quality benefits - so improving support (more time / more money) is a better mitigation.

Permanent discounts & exemptions

Public support for principles.

New exemptions proposed for specific groups in line with principles; and definitions of discounts & exemptions improved to better meet objectives.

Proposed private hire vehicle discount replaced with temporary exemption as more appropriate means of support.

*Temporary exemptions

Feedback that vulnerable groups needed more time due to pandemic.

Propose widening scope so all LGVs, minibuses, coaches, GM-licensed hackney carriages and private hire vehicles can benefit and a temporary exemption for these groups until to 31 May 2023 to allow more time without affecting the year of compliance with legal limits for nitrogen dioxide.

Clean Vehicle Funds

Greater Manchester has secured over £120m in government funding to help Greater Manchester's people, businesses and organisations prepare:

- **£87.9m Clean Commercial Vehicle Fund:** LGV (£70m), HGV (£7.6m), coach (£4.4m), minibus (£2m).
- **£21.4m Clean Taxi Fund:** private hire vehicles (£10.2m), hackney carriages (£9.5m).
- **£14.7m Bus Retrofit Fund:** to retrofit non-compliant buses running services in GM.
- **£3.2m Bus Replacement Fund:** to support replacement of non-compliant buses that can't be retrofitted.

An additional 5% has been awarded to the ten GM local authorities by government to administer this funding.

Additional funding has also been secured for over 30 taxi-only electric vehicle charging points at strategic sites across the city-region.

This clean vehicle funding will help eligible small and micro businesses, sole traders, self-employed, charities and social enterprises to upgrade non-compliant commercial vehicles and avoid a daily charge. Clean Vehicle Funds will be open for application from November 2021. This would be as a lump sum grant, contribution towards vehicle financing or a combination. Full details of financial support for vehicle owners is available at cleanairgm.com/clean-air-plans



Hardship Fund

The final GM Clean Air Plan does not include a Hardship Fund. Although feedback from the consultation and the impact of COVID-19 research found that further support was required for GM businesses, government ministers do not agree that a Hardship Fund is the best way to mitigate the impact of uncertainty due to the pandemic. Ministers cite other COVID-response government schemes (not specific to Clean Air Plans) being available to address wider business impacts. However, government has confirmed that they wish to ensure that Clean Air Funds can be adapted if necessary and that they will continue to work with GM to understand the situation, including the funding position if the impacts prove to be more severe than forecast.

As further funding to address potential cases of hardship may be needed, Greater Manchester authorities will be monitoring the situation very closely to ensure that they can take up the government's offer to review the need for further funding if the need can be demonstrated.

Next steps

1. Final Clean Air Plan considered by ten Greater Manchester local authorities **(by end July 2021)**.
2. Subject to local authority approval, a consultation will be held on the proposed inclusion of M1SP class motorhomes within the scope of Clean Air Zone charges **(September/October 2021)**.
3. Subject to local authority approval, a consultation will be held on a modification to the Clean Air Zone boundary to include the A575 and A580 at Worsley **(September/October 2021)**.
4. Clean Vehicle Funds open for applications from Greater Manchester businesses **(November 2021)**.
5. Clean Air Zone is anticipated to launch on 30 May 2022, subject to joint agreement with government on scheme readiness, including the Central Charging Portal and national vehicle checker.

Find out more

To find out more about the proposals and to sign up for updates, visit cleanairgm.com. If you have an enquiry please email info@cleanairgm.com.

For media enquiries, call **0161 244 1055** or email mediarelations@tfgm.com

Greater Manchester Clean Air Zone

Government has directed Greater Manchester to introduce a Category C Clean Air Zone. The Zone is expected to be introduced in phases:

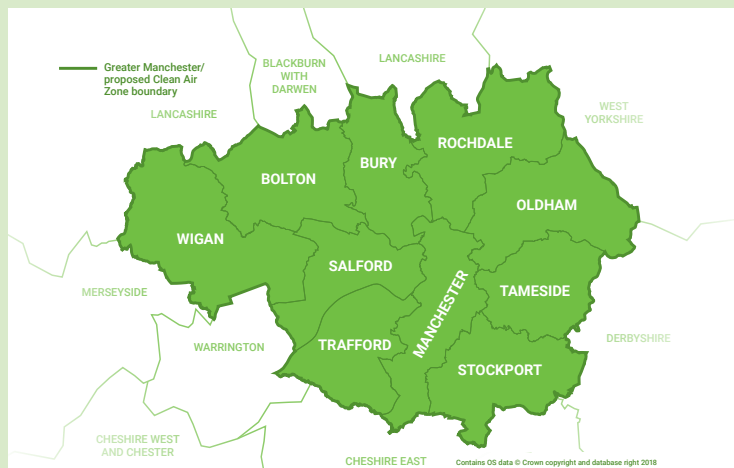
- Monday 30 May 2022 for HGVs, buses, hackney carriages and private hire vehicles not licensed in GM.
- Thursday 1 June 2023 for LGVs, minibuses, coaches and GM-licensed hackney carriages and private hire vehicles.

Vehicles that do not meet emission standards will pay a daily charge to travel in the Zone. Private cars, motorbikes and mopeds are not included.

The Clean Air Zone is designed to improve air quality by encouraging upgrades to cleaner vehicles. It is not the same as a Congestion Charge Zone, where all or most vehicles are charged to drive.

What area will it cover?

All roads within Greater Manchester¹, apart from roads managed by Highways England such as motorways and trunk roads, will be included in the Clean Air Zone. However, ministers have agreed to include a section of the A57 and A628 within the Zone. This is subject to Tameside Council, Highways England and TfGM establishing how the charging will be applied to this section of road, therefore this stretch of road may not be included from the start of the Clean Air Zone operation. You can find out more detail by visiting cleanairm.com/clean-air-zone-map



How will it operate?

The Zone will run seven days a week, 24 hours a day. It would be enforced by a network of Automatic Number Plate Recognition (ANPR) cameras. Those vehicles liable to pay the charge will pay using the government's online portal. Discounts and exemptions will be available for some vehicle types. Some exemptions are temporary, some are permanent, and some are for taxis and private hire vehicles licensed with the ten Greater Manchester local authorities only.

Proposed final daily charges and funding support

Given more time Offer increased per vehicle New Offer

Vehicle type		Daily Charge	When charged from	Replacement Funding	Retrofit Funding
	Bus	£60	End May 2022	£16k	£16k
	HGV	£60	End May 2022	Up to £12k	£16k
	Coach	£60	End May 2023	£32k	£16k
	Van	£10	End May 2023	Up to £4.5k	£5k
	Minibus	£10	End May 2023	£5k	£5k
	GM Hackney Cab	£7.50	End May 2023	Up to £10k	£5k
	GM PHV	£7.50	End May 2023	Up to £6k	£5k

¹ There is a proposal to exclude a small stretch of the A555 from the junction with the B5166 in the west to the junction with A523 in the east (from Styal Road to the Macclesfield Road junction). This is to enable movements between Poynton and Handforth (which are towns located in the district of Cheshire East), to continue uncharged, given the expectation that implementing a charge would result in local journeys returning to the roads that the A555 was designed to reduce.