

GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP 2020/21

DATE: Friday 24 July 2020

TIME: 10.00 am

VENUE: Virtual LIVE TEAMS EVENT

ANNUAL GENERAL MEETING AGENDA

1. INTRODUCTION AND APOLOGIES (CHAIR) (3 MINUTES)
2. TO NOTE THE APPOINTMENT OF CHAIR AND AGREE PARTNERSHIP TERMS OF REFERENCE FOR 2020/21 REPORT OF ALISON MCKENZIE FOLAN, PORTFOLIO CHIEF EXECUTIVE (5 MINUTES) 1 - 16

ORDINARY BUSINESS

3. CHAIRS ANNOUNCEMENTS AND URGENT BUSINESS (CHAIR) (5 MINUTES)
4. DECLARATIONS OF INTEREST (CHAIR) (2 MINUTES) 17 - 20

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 at the start of the meeting.

FOR AGREEMENT

5. TO APPROVE THE MINUTES OF THE PREVIOUS MEETING DATED 18 MAY 2020 (CHAIR) (5 MINUTES) 21 - 28
6. GREATER MANCHESTER COVID19 RECOVERY PLAN – ENVIRONMENT THEME REPORT OF MARK ATHERTON, ENVIRONMENT DIRECTOR (10 MINUTES) 29 - 32
7. COMMUNICATIONS GREEN CITY STRATEGIC NARRATIVE REPORT OF HAYLEY JAMES, ASSISTANT COMMUNICATIONS DIRECTOR (10 MINUTES) 33 - 40

BOLTON	MANCHESTER	ROCHDALE	STOCKPORT	TRAFFORD
BURY	OLDHAM	SALFORD	TAMESIDE	WIGAN

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8. PROGRESS REPORT - 5 YEAR ENVIRONMENT PLAN (YEP)
REPORT OF MARK ATHERTON, ENVIRONMENT DIRECTOR
(10 MINUTES) 41 - 56
9. CHALLENGE GROUP UPDATES (CHALLENGE GROUP CHAIRS)
(15 MINUTES) 57 - 70

FOR DISCUSSION - BUILDINGS CHALLENGE DEEP DIVE

10. ACHIEVING NET ZERO CARBON IN NEW DEVELOPMENT
REPORT AND PRESENTATION BY HELEN TELFER, PLANNING SPECIALIST,
ENVIRONMENT AGENCY (10 MINUTES) 71 - 78
[See presentation pack for the presentation](#)
11. PUBLIC BUILDINGS ASSESSMENT AND MARKET TESTING
REPORT AND PRESENTATION BY DR JOHN HINDLEY, DIRECTOR,
TWELVETREES CONSULTING (10 MINUTES) 79 - 84
[See presentation pack for the presentation](#)
12. DOMESTIC RETROFIT FOR A CARBON NEUTRAL FUTURE - ANALYSIS
REPORT AND PRESENTATION BY DAVID SHEWAN, PARITY PROJECTS
(10 MINUTES) 85 - 88
[See presentation pack for the presentation](#)
13. RETROFIT ACCELERATOR PROPOSAL UPDATE PRESENTATION BY
PROFESSOR WILL SWAN, SALFORD UNIVERSITY (10 MINUTES) 89 - 96

FOR INFORMATION

14. IMPACT OF THE URBAN PIONEER
REPORT OF LEE RAWLINSON, REGIONAL DIRECTOR, ENVIRONMENT
AGENCY (5 MINUTES) [See presentation pack for the presentation](#) 97 - 100
15. GREATER MANCHESTER ENVIRONMENT FUND
REPORT OF MARK ATHERTON, ENVIRONMENT DIRECTOR (5 MINUTES)
[See presentation pack for the presentation](#) 101 - 104

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16. DATES AND TIMES OF FUTURE MEETINGS

All meetings will be held virtually unless otherwise stated on:

Friday 16 October 2020 at 9.00 am

Monday 25 January 2021 at 10.00 am

Friday 12 March 2021 at 10.00 am

For copies of papers and further information on this meeting please refer to the website

www.greatermanchester-ca.gov.uk. Alternatively, contact the following

Governance & Scrutiny Officer: Jenny Hollamby

✉ jenny.hollamby@greatermanchester-ca.gov.uk

This agenda was issued on 16 July 2020 on behalf of Julie Connor, Secretary to the Greater Manchester Combined Authority, Churchgate House, 56 Oxford Street, Manchester M1 6EU

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **TO NOTE THE APPOINTMENT OF CHAIR AND AGREE GREEN CITY REGION PARTNERSHIP TERMS OF REFERENCE FOR THE 2020/21 MUNICIPAL YEAR**

Report of: **Alison Mckenzie Folan, 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 2020/21.

RECOMMENDATION:

The Partnership is requested to:

- a) Note the appointment of Chair of the Green City Region Partnership for the 2020/21 Municipal Year - Councillor Andrew Western, Trafford.
- b) Approve the revised Terms of Reference for the Partnership for the 2020/21 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, subject to their agreement and review at their next meetings.
- d) Agree that the Terms of Reference for the Challenge Groups for the 2020/21 municipal year will be reviewed at their next meeting and finalised with the Director for Environment and the Portfolio Lead Cex. An example of the Challenge Group ToR is at Annex 02.
- e) Note that a new Chair and Vice Chair will need to be found for the Sustainable Consumption and Production Challenge Group and agree that Suez should be approached in the first instance.
- f) Note the intention to establish in parallel a Green City Region Board for the 10 District portfolio leads.

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.greastermanchester-ca.gov.uk/ieListDocuments.aspx?CId=136&MId=3943&Ver=4>

1. BACKGROUND

It was agreed, at the GMCA held on Friday 26 June 2020, that the GMCA Green City Region Portfolio Lead (Councillor Andrew Western, Trafford) be appointed to Chair the GM Green City Region Partnership and Board for 2020/21.

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 Board 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:

- Alison McKenzie Folan (CEX Wigan MBC) appointed as Green City Region Portfolio lead Cex to replace Eamonn Boylan.
- To move ahead with establishing a Green City Region Board for Portfolio Lead elected members in the 10 Districts. The establishment of this Board has been delayed as a result of Covid19 and we are awaiting nominations from some Districts. The Terms of Reference of the board will be agreed at their first meeting however it is anticipated that it will focus on those 5 Year Environment Plan activities which are of particular interest to Local Authorities in supporting them to achieve their Climate Emergency Declaration commitments.
- The 5 Year Environment Plan Implementation Forum moves from monthly to approximately every 6 weeks
- Due to the incumbents moving job roles, alternative appointments are sought for the Chair and Vice Chair of the Sustainable Consumption and Production Challenge Group.

3. RECOMMENDATIONS:

The Partnership is requested to:

- a) Note the appointment of Chair of the Green City Region Partnership for the 2020/21 Municipal Year - Councillor Andrew Western, Trafford.
- b) Approve the revised Terms of Reference for the Partnership for the 2020/21 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, subject to their agreement and review at their next meetings.
- d) Agree that the Terms of Reference for the Challenge Groups for the 2020/21 municipal year will be reviewed at their next meeting and finalised with the Director for Environment and the Portfolio Lead Cex. An example of the Challenge Group ToR is at Annex 02.

- e) Note that a new Chair and Vice Chair will need to be found for the Sustainable Consumption and Production Challenge Group and agree that Suez should be approached in the first instance.
- f) Note the intention to establish in parallel Green City Region Board for the 10 District portfolio leads.

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 Board (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 2020/21	
Councillor Andrew Western (Trafford)	Portfolio Holder & Chair
Councillor Oliver Ryan (Tameside)	Portfolio Assistant
Alison Mckenzie Folan	Lead Chief Executive
Councillor Angeliki Stogia	Transport Committee Representative
Councillor Alan Quinn	Waste & Recycling Committee Representative
Councillor Antrobus	Planning and Housing Commission
Chris Oglesby	Local Enterprise Partnership (LEP) Representative
Roger Milburn	Strategic Infrastructure Board
Anne Selby (Wildlife Trust) / Chris Matthews (UU)	Natural Capital Challenge (Local Nature Partnership Representative)
Robin Lawler (Northwards) Will Swan (Salford University)	Low Carbon Buildings Challenge
Peter Emery/Paul Bircham (ENWL) Stuart Easterbrook (Cadent)	Energy Innovation Challenge
Tba (Suez)	Sustainable Consumption and Production Challenge
Louise Blythe (BBC) Phil Korbel (Carbon Literacy)	Communications Challenge
Lee Rawlinson (EA)	Environment Agency Representative
Hisham Elkadi (Salford) Nalin Thakkar (Manchester) Andy Gibson (Manchester Metropolitan)	GM Universities Representatives
Bernard Magee (Siemens) TBC (Suez) Angela Needle (Cadent)	Private Sector Representatives – Energy, Built Environment, Housing, SCP/Waste, Training/Skills, Environment Technologies sector, Communications
Patrick Allcorn (BEIS) Kristina Poole (PHE) Carl Moore/Steph Everett (Homes England)	Central Government Representatives
Sarah Price/Darryl Quantz (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 Board 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 Board 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 Board members. The following are proposed for 2020/21:

- Sustainable consumption and production Challenge – tbc
- Low Carbon Buildings Challenge – Robin Lawler/Will Swan
- Energy Innovation Challenge – Peter Emery/Paul Bircham/Stuart Easterbrook
- 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 Board. The Terms of Reference for the Natural Capital Group is attached at 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.

In addition, a 6 weekly “5 Year Environment Plan Implementation Forum” has been established to allow the cross fertilization of ideas between Challenge/Task and Finish Groups. This Forum is open to all and permits the wider engagement of organisations who may have a general interest in progress but not be formally part of delivery.

4.2 Support Arrangements

The Partnership will be supported by: the Director of Environment (GMCA), the GM Environment and other teams and appropriate TfGM (Air Quality) 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 Board

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 Board Members

It is expected that Board 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 Board.
- 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 Board, 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 Board member is aligned with and endorsed by the Board.

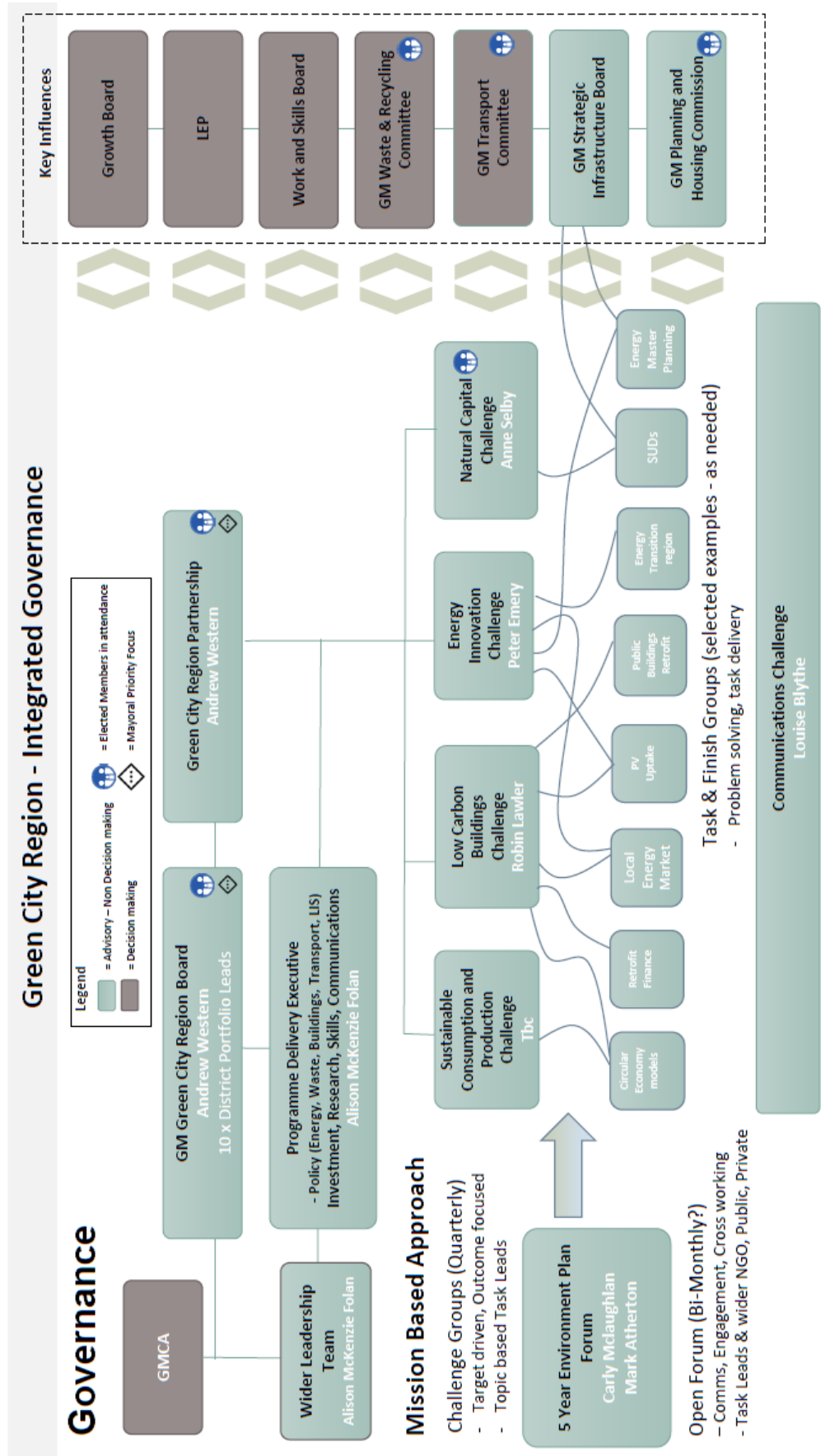
- Support and enable communication with wider stakeholders about the work of the Partnership, acting as advocates for the Partnership's work.

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.



GREATER MANCHESTER NATURAL CAPITAL GROUP

DRAFT TERMS OF REFERENCE

JUNE 2020

1. 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.

2. VISION

To put nature at the heart of everything we do.

3. GOALS

By 2024 we aim to:

- implement biodiversity net gain approach in our planning system.
- adopt environmental net gain approach in our planning system.
- increase, year on year, non-public funding in our natural environment.
- significantly increase the amount of trees and restored peatland across GM.
- embed natural capital approaches into our investments and decision making.
- increase engagement of people with their natural environment.
- Adopt plans for a GM 'nature recovery network'.

How (NCG 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 GM's environment, drawing on measures such as health and wellbeing benefits for the population and nature and greenspace indicators.

4. TARGETS

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

5. DELIVERY

The Natural Capital Group will define a Business Plan each year and agree this with the GM 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/> (see Appendix 1)

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 via the GM Green City Region Partnership Board.

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 GM Green City Region Partnership will be provided by the Natural Capital Group and drawn from the Natural Capital Group Business Plan.

6. 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 or Task and Finish Groups, covering specific aspects of the natural environment, geographical locations, projects or initiatives, or oversight of Partnership resources.

The Chair will be appointed by the Chair of the GM Green City Region Partnership on behalf of the Combined Authority.

Chair: Anne Selby, The Wildlife Trust for Lancashire, Manchester and North Merseyside, aselby@lancswt.org.uk.

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

Propose Members: See Appendix 2.

7. OPERATING PRINCIPLES

7.1 Governance

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

7.2 Meeting frequency

The Group will meet quarterly for 2-3 hours, with meeting dates arranged for a full financial year to align with the Low Carbon Hub Board 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.

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 i.e. Urban Pioneer Delivery Group.

7.3 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.

7.4 Roles and responsibilities

Chair

- Agree agenda and papers and Chair meetings.

- Report back to the Green City Region Partnership and represent the views of the Group at GCRP 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 LCH themes.
- Work with the Group members to support the implementation of actions.

Governance & Scrutiny Team

- Provide equipment, materials, rooms and a secretariat service to the Board.

8. RELATIONSHIP WITH OTHER GROUPS

The Natural Capital Group is a Challenge Group of the Green City Region Partnership. The Group will establish relationships and a working protocol with other Challenge Groups on the following principles:

- The Chair of the Natural Capital Group is a Green City Region Partnership Board 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 achieved its aims and objectives. It is expected this will evolve over time.

Appendix 1: 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).

Appendix 2: Current Membership List

Chair	
Anne Selby	The Wildlife Trust for Lancashire, Manchester and North Merseyside
Vice Chair	
Chris Matthews	United Utilities
Name	Company
Councillor Derek Antrobus	Salford City Council
Mark Atherton	GM Environment Team
Krista Patrick	GM Environment Team
Mark Turner	GM Environment Team
Jenny Hollamby	GMCA Governance & Scrutiny
Jeremy Carter	University of Manchester
Jackie Copley	CPRE Lancashire
Matthew Ellis	Environment Agency
Barnaby Fryer	Cooperative Group
David Hodcroft	GMCA Planning and Housing Team
Anne Morgan	GMCA Planning and Housing Team
Dave Bell	Natural England
Colin Binnie	Forestry Commission
Darryl Quantz	GM Health and Social Care Partnership
Will Horsfall	Salford City Council
Jessica Thompson	City of Trees
Philip James	The University of Salford
Kathy Oldham	AGMA Civil Contingencies and Resilience Unit
Gillian Renshaw	Canal and River Trust
Derek Richardson	GMEU
Bev Taylor	Bruntwood
Jo Holden	Peel
Nicola Martin	Groundwork
Anna da Silva	RHS Bridgewater
Helen Telfer	Environment Agency
Adam Booth	Environment Agency
Mark Easedale	Environment Agency

Substitutes

Peter Bradshaw	AGMA Civil Contingencies and Resilience Unit
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CORPORATE ISSUES & REFORM OVERVIEW AND SCRUTINY
24 July 2020

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

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

FOR PREJUDICIAL INTERESTS

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.

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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Agenda Item 5

MINUTES OF THE MEETING OF THE GREEN CITY REGION PARTNERSHIP (THE PARTNERSHIP) HELD ON 18TH MAY 2020 VIA MICROSOFT TEAMS

PRESENT:

Councillor Andrew Western	GMCA Environment Portfolio & Chair (Trafford Council)
Councillor Alan Quinn	Waste & Recycling Committee (Bury Council)
Councillor Oliver Ryan	Portfolio Deputy (Tameside Council)
Councillor Angeliki Stogia	Transport Committee (Manchester City Council)
Councillor Derek Antrobus	Planning & Housing Commission (Salford City Council)
Patrick Allcorn	Central Government Representative (BEIS)
Louise Blythe	BBC Academy (Chair Communications & Engagement)
Hisham Elkadi	Salford University
Mark Easedale	Environment Agency
Steph Everett	Homes England
Peter Emery	Electricity North West (Chair Energy Innovation)
Andy Gibson	Manchester Metropolitan University
Angela Needle	Cadent
Phil Korbel	Cooler Projects (Vice-Chair Communications & Engagement)
Bernard Magee	Siemens
Carly McLachlan	University of Manchester (Chair 5YEP Forum)
Roger Milburn	Arup (Strategic Infrastructure Board)
Darryl Quantz	Health & Social Care Partnership
Anne Selby	Wildlife Trust (Chair Natural Capital)
Will Swan	Salford University (Vice-Chair Low Carbon Buildings)
Nalin Thakkar	Manchester University

Observers

Tim Whitley - Arup (Observer)
Jessica Bowles - Bruntwood (Substitute for Chris Oglesby)

OFFICERS IN ATTENDANCE:

Mark Atherton	GMCA
Krista Patrick	GMCA
Lynda Stefek	TfGM
Kerry Bond	GMCA

GMGCRP/11/20 INTRODUCTIONS AND APOLOGIES

The Chair opened the meeting, welcomed all those present and introduced new members Sarah Price, GM Health and Social Care Partnership and Carl Moore, Homes England to the Board. On this occasion, the new members were represented by Darryl Quantz and Steph Everett respectively.

BOLTON	MANCHESTER	ROCHDALE	STOCKPORT	TRAFFORD
BURY	OLDHAM	SALFORD	TAMESIDE	WIGAN

Apologies for absence were received from Carl Moore, Lee Rawlinson, Robin Lawler, Hayley James and Megan Black.

GMGCRP/12/20 DECLARATIONS OF INTEREST

There were no declarations received in relation to any item on the agenda.

GMGCRP/13/20 TO APPROVE THE MINUTES OF THE LAST MEETING

RESOLVED/-

That the minutes of the last meeting dated 20 January 2020 be approved as a correct record.

a) MATTERS ARISING

- Arising from minute GMGCRP/01/20 (Minutes), it was explained that due to the current pandemic, the Green Summit currently scheduled for 29th September 2020 will be re-scheduled or held virtually. A decision will be made following consultation with the GM Mayor.
- The Chair advised Members that Richard Jenkins has now left his role at Suez and therefore stepped down from the Partnership. A replacement representative from Suez will be nominated and invited to future meetings and to Chair the Consumption and Production Challenge Group.

GMGCRP/14/20 PROGRESS REPORT Q4- 5 YEAR ENVIRONMENT PLAN

The Partnership considered a report that provided an update on progress of Green City Region Partnership for the fourth quarter of 2019/20.

It was noted that most of the activity of the Greater Manchester (GM) 5 Year Environment Plan activity has continued through lockdown; the exception being those projects which require access to people's homes:

- The start of the Local Energy Management project has been delayed by 2 months following withdrawal by one of the partners; due to this, a 2 month extension has been granted. A replacement partner is currently being sought. Manchester City Council extended an offer of support on this project, should this be required.
- The Warm Homes Fund project has been completed - Installed 500 first time central heating systems and supported over 1500 fuel poor homes with advice and insulation measures. The Warm Homes Fund Project 2 has been agreed and will progress after lockdown.
- GM Solar Together PV scheme is still on course to deliver in excess of 530 installs; 5100+ solar panels; 1.7MW new generation; and leverage £1.6m of investment.

RESOLVED\-

1. That the progress outlined in the report and the latest position set out in the dashboards attached at Annex 1 - Environment Team Performance Overview be noted,
2. That the 5 Year Environment Plan Performance at Annex 2 be noted.

GMGCRP15/20 GM COVID RECOVERY PLAN

Members received a report on the environmental impacts of the Covid emergency, which provided a summary of the feedback received from a short engagement exercise with the GM Green City Region network, responding to the GM Covid Recovery Group's request to support the development of a Recovery Action Plan, detailed at Annex 1 of the report.

Members received a short presentation of the first draft of an Action Plan for the Environment Theme, focusing on the first phase of the release of lockdown running over the next 2 months, recognising that activity may need to begin now on the actions for the later phases of recovery to enable delivery of the desired outcomes further down the timeline. Members were asked to work with its established networks, ensuring the needs and views from across the system (including localities and communities) are represented in undertaking detailed action planning work to develop the Recovery Plan. As part of this action planning work, the Partnership were asked to review the initial risks and opportunities currently captured in the Areas for Action in Section 1 of Annex 2 of the report.

Discussion took place to agree:

1. What are 4/5 of the most important things to do to support a rapid economy / society restart, which will form the focus of system wide conversations coordinated via the GM Recovery Coordination Group, detailed in Section 2 of Annex 2; and
2. What are the 4/5 things that we should keep as part of Building Back Better, considering the changes to processes and practices that have occurred as part of the emergency response.

The following comments and questions were raised:

- It was suggested that emphasis should be given on initiatives such as clean air.
- Member were reassured that 'energy generation' includes reference to clean energy.
- That the strong connection between public and green and blue infrastructure should be given some focus going forwards.
- Survey work is underway on active transport, to establish why people have changed their behaviour and the key factors, an understanding of what people would like to see changed would enable a smooth transition.
- Are there any connections between the different streams of activity that could highlight tensions or co-benefits; Next steps are to compare the Environment Recovery Action Plan with others and combine into one cohesive plan which will highlight the tensions and co-benefits.

- Members were advised by Roger Milburn of two pieces of work on Digital Infrastructure that are running parallel.
 - The first being led by the GM Digital Infrastructure Group who agreed at their meeting on 14 May to create a plan not dissimilar to those discussed in this item, with input from both the public and private sectors, this piece of work will be finalised in next few days.
 - Secondly, the GM Infrastructure Board will meet on the 26 May to receive feedback from all the infrastructure providers on lessons learnt, risks and opportunities identified. The Board will also receive an updated report on Infrastructure Resilience led by the Infrastructure Commission. The Board also accommodate a lot of work on green and blue infrastructure, representatives from this Partnership sit on the Board.

The Environment Recovery Action Plan was presented detailing project timescales, owners and outcomes, Members were asked for their input on next steps of engagement. Discussion took place and the following points were raised:

- Private sector input: There is a need to identify further engagement with the private sector and include within the plan, the private sector are involved in the Challenge Groups, engagement with the GM Sustainable Business Partnership is due to commence, there will also be input from the GM LEP who are keen to engage with a wider cross section of the business community and are keen to take a lead on this.
- Need to prioritise identification of 2-3 projects to deliver, the Urban Forest Park, within the Mayor's Manifesto pledge would be a great opportunity.
- The Wildlife Trust are working on a bid with the NHS on Eco-Health which focusses on young people's mental health, they are also looking at a Volunteering Capacity Bid with City of Trees, these could be linked to recovery and green spaces.

Feedback was requested from members as to what indicators should be applied to the criteria to prioritise the action plan, the following points were raised:

- Speed to delivery.
- Highest impact and behaviour change.
- Links to employments centres - accessibility and maintenance of green space and alternative modes of transport.
- How can we capitalise on the positives of the lockdown both now and longer term, eg. we have produced less air and noise pollution, flexible working has produced a positive impact on family and local community.
- Recovery is about balancing the economy, the environment (including climate change/low carbon), social (including health and well-being).
- Along with private sector engagement, are there actions to capitalise on a shift in thinking in communities to allow them to take the lead and input their skills and resources and help make changes to their homes and local environment.

BEIS and a number of government departments are looking at different aspects of Covid recovery. The £9.2bn energy efficiency bid detailed in the budget manifesto in November wasn't included in the March budget as it is part of a wider infrastructure discussion which have been delayed waiting for a number of NIC reports. There will be a cross over with

climate and Covid economic recovery commitments. Looking at what projects with value are ready to begin and linking this with work and skills.

National funding was is provided for regional energy hubs to support project development and finance. Projects can be delivered either with grant support or potential low carbon finance loans which will allow programmes to get up and running by developing investment grade propositions.

RESOLVED\-

1. That the feedback received from the GM Environment Network to the questions posed by the GM Recovery Group at Annex 2 of the report be noted.
2. That the presentation detailing the first draft Recovery Action Plan for the Environment Theme be noted.
3. That notes of the GM Infrastructure Group and the GM Infrastructure Board will be circulated to Members of this Partnership.
4. That an additional column in the Action Plan be added for key contributors in addition to the task owner for clarity.
5. Roger Milburn liaise with Chris Oglesby to discuss and assist with GM LEP and private sector input/collaboration.
6. That an Action Plan Sub Group be set up to discuss and input on how the green agenda fits in with the recovery element of the Communications and Engagement Group Action Plan. Members to email Mark Atherton if they wish to be included in this piece of work.

GMGCRP16/20 PROGRESS WITH CHALLENGE GROUPS

Consideration was given to a report outlining the progress made by the Five Year Environment Plan (5YEP) Challenge Groups in developing their key priorities and subsequent Task and Finish Action groups. The accompanying presentation provided an overview of the Challenge Group priorities and how these are being delivered through Task and Finish Groups, with estimated timescales for each action.

RESOLVED\-

1. That the progress in developing the Challenge Groups and the Task and Finish Action Group activity be noted.

GMGCRP17/20 THEMATIC DEEP DIVE - COMMUNICATIONS & BEHAVIOUR CHANGE

The Partnership received presentations on Communications and Behaviour Change as part of the thematic deep dive requested by Members at a previous meeting,

The presentations focussed on specific tasks and a final overview update.

a) GMS Key Messages “Green City Region”

An update will be brought to a future meeting following review of the Green City Region messages.

b) Natural Environment Engagement Toolkit

The Partnership received a presentation detailing the work of the Natural Capital Communications Task and Finish Group, looking at the effective production of a design based toolkit to raise awareness of the natural environment work across Greater Manchester, the vision and how people can input.

The Communications and Behaviour Change Group welcomed the work and understand the importance and significance in terms of connecting people with regards to open spaces.

c) Carbon Literacy Programme

A presentation was received detailing the climate change training that has been carried out to date, what is being carried out virtually and the future pipeline, including:

- Trained 14,000 people, circ 50% in GM.
- Auto Trader are the first private sector FTSE 100 company on the programme.
- Other companies include: Electricity NW; Booking.com, BASF.
- Work funded across the public sector include: NHS, GM Fire, Universities, including MMU, 5 GM districts.

d) Communications and Engagement Group Update

The Partnership received an update, including:

- A number of task and finish groups are up and running and priority actions have been identified.
- Working with communication and behaviour change officers to look at a GM level rather than individual organisations.
- Case studies for organisations to feed into to support the work.
- Task & finish work has been greatly received.
- Looking for ambassadors at grass roots along with members of this Partnership.
- Actively involved in the United Nations Climate Change Conference (COP26) and the Sustainability Conference.
- Members were asked to support the Behaviour Change Task & Finish Group by allowing their organisations Communication and Change Leads officers to commit some time each month to get involved in the group, and to share their best practices.
- Next steps are to share feedback and next steps and to re-work direction to short/medium term.

The Chair thanked Officers for their informative presentations.

RESOLVED/-

- 1) That the content of the report and presentations be noted.
- 2) That Members agree to support the Behaviour Change Task & Finish Group by allowing their organisations Communication and Change Leads officers to commit some time each month to get involved in the Group, and to share their best practices.

REPORTS FOR INFORMATION

GMGCRP/18/20 MODERN METHODS OF CONSTRUCTION: ACCELERATING HOUSING DELIVERY IN GREATER MANCHESTER: THE CASE FOR ADVANCED MANUFACTURING IN THE CITY-REGION

Members received a paper providing a summary of the Strategic Outline Business Case project which identifies the optimal approach for accelerating housing delivery in Greater Manchester through modern methods of construction.

RESOLVED\-

That the report be noted.

GMGCRP19\20 GREEN CITY REGION ANNUAL REPORT AND CLIMATE EMERGENCY DECLARATION UPDATE

The Partnership received a report providing the first update and outlines of the actions agreed to deliver on the declaration and the opportunities to further reduce CO2 emissions from the GMCA's operations. The paper also provides a draft Annual Report for the GM 5 Year Environment Plan, launched in March 2019.

RESOLVED\-

1. That the proposed GMCA Climate Emergency Action Plan for the first 12 months, July 2019-July 2020 at Annex A be noted.
2. That progress made against Climate Emergency actions be noted.
3. That the Annual Report for the GM 5 Year Environment Plan and the Environment Report 2019-20 at Annex B be noted.

GMGCRP20\20 DATES AND TIMES OF FUTURE MEETINGS

- Friday 24 July 2020, 10.00 am, via Microsoft Teams
- Friday 16 October 2020, 9.00 am, Board Room, GMCA
- Monday 25 January 2021, 10.00 am, Board Room, GMCA
- Friday 12 March 2021, 10.00 am, Board Room, GMCA

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **GM COVID19 RECOVERY PLAN – ENVIRONMENT THEME (DRAFT)**

Report of: **Mark Atherton, Director of Environment, GMCA**

PURPOSE OF REPORT

The paper provides an update on the development of the GM COVID19 Recovery Plan (Environment Theme) and next steps.

RECOMMENDATIONS:

The Partnership is requested to:

- Note the progress made in developing the draft GM COVID19 Recovery Plan (Environment Theme)
- Comment on the draft Plan (Annex 01)
- Note the expected next steps.

CONTACT OFFICERS:

Mark Atherton, Director of Environment, GMCA

Mark.atherton@greatermanchester-ca.gov.uk

BACKGROUND PAPERS

Item 05 - Draft GM Covid19 Recovery Plan: Environment Theme – GM Green City Region Partnership Meeting 18th May

1.0 BACKGROUND

- 1.1 Following the presentation to the previous Green City Region partnership meeting on the development of a GM Covid19 Recovery Plan (Environment Theme), further work has been undertaken with partners to develop the concepts and ideas proposed into an Action Plan.

2.0 UPDATE

- 2.1 Since the last meeting, a draft action Plan was developed and consulted upon with District Environment Officers, the Green City Region Challenge Groups and the GM Sustainable Business Forum.
- 2.2 A sub-group of the Partnership met to consider the feedback from the engagement exercises and the format of the Action Plan was amended to identify which tasks delivered multiple benefits.
- 2.3 Leading and supporting roles were then identified for each of the tasks and the proposed Task Owners were consulted on the Plan again as to whether they were content to be named as a lead or contributor to the task completion.
- 2.4 A draft Recovery Action Plan for the Environment Theme was then produced and is attached at Annex 01.

3.0 NEXT STEPS

- 3.1 Following any further comments received from the Partnership, the Plan will be compared against similar plans from the other recovery group Themes and rationalized where possible.
- 3.2 The final plan will then be considered by the wider GM Recovery Group and a sub-set of key actions are likely to be incorporated into the developing One Year Greater Manchester Strategy.
- 3.3 It is suggested that progress on delivery of the Plan will then be added to the normal Quarterly reporting on Progress to the GCR Partnership meetings.

4.0 RECOMMENDATIONS

4.1 The Partnership is requested to:

- Note the progress made in developing the GM COVID19 Recovery Plan (Environment Theme)
- Comment on the draft Plan (Annex 01)
- Note the expected next steps.

Key Areas	What we seek to achieve through recovery	Tasks / Projects	0-2 mths	<12 mths	>12 mths	Suggested Task Owner /Coordinator	Outputs of Task	Wider Impact /benefit			
								Jobs	Skills	CC/AQ	QoL
Invest in Energy Generation and efficiency	Support green growth, jobs and skills development through investment in acceleration of local energy generation, low carbon heating and building retrofit upgrades as part of any recovery investment/stimulus package. Where possible explore opportunities to leverage action to reduce income inequalities	Finalise and commence delivery of pipeline of identified energy generation, heating and retrofit projects, across public, domestic, commercial and industrial estates.	x	x	x	GMCA - Environment, OPE, Districts, RSLs, ENWL, Commercial and Industrial partners	Suite of projects across renewable generation, heating and building retrofit to support/underpin a investment stimulus package	x	x	x	x
		Establish a range of grant and loan offers to facilitate and incentivise the uptake of low carbon measures (the difference between BAU and low carbon transition)	x	x	x	GMCA - CIT / Environment, Growth Co	A package of investment stimuli which derisks and accelerates deployment of a GM project pipeline.	x	x	x	x
		Review and align training provisions to upskill existing trades alongside encouraging new market entrants and apprenticeships.	x	x	x	GMCA - Skills	Increase in the levels of local skilled people to deliver low carbon stimulus activity		x		
		Incentivise investment across the private domestic 'able to pay' and commercial sectors		x	x	GMCA - Environment / Growth Co / Districts / Community Energy	Deployment low carbon technologies by both individuals and investors leading to an increase locally derived low carbon goods and services. Ultimately increased jobs, opportunities and carbon reduction.	x	x	x	x
		Complete audit of key NHS Estates for decarbonisation options and identify funding resources	x	x		GMCA/GMHSCP	List of priority projects to improve energy efficiency and energy generation on NHS Estates	x	x		
		Increase digitisation across retrofit and newly installed low carbon assets to enable greater assessability		x	x	GMCA - Digital	Increased ability to provide quality assurance through real time monitoring, alongside the ability to support future flexibility services.	x	x	x	x
Stimulate Innovation	Stimulate innovation in high impact technologies, goods and services for carbon/emissions/waste reduction – R&D to fill the 'innovation gap' - collaboration with universities, all businesses and public sector orgs to accelerate deployment of next generation technologies and circular economy models.	Develop effective public R&D funding mechanisms to advance both innovation and competitiveness		x	x	GMCA - Economy	Provide stimulus for clean growth innovation focused on the city region, supporting inward investment	x	x		
		Develop/deploy the Clean Growth Innovation Agency concept to stimulate innovation across the region.	x	x	x	GMCA -Economy, Universities, Private Sector	An agency which brings together the regions academic institutes, MIDAS (Inward investment), Growth Co (business) and the public sector to utilise the region as a test bed for innovation	x	x		
		Develop/deploy innovation through promotion/utilisation of Circular Economy practices/waste hierarchy principles to stimulate clean growth and reliance to supply chains	x	x	x	GMCA - Environment, Districts, Green Growth Co, business	Bringing together the regions academic institutes, MIDAS (Inward investment), Growth Co (business) and the public sector to create a CE City region	x	x	x	x
		Improve the regions digital resilience and capacity infrastructure to enable new ways of working/living that are more sustainable. Incentivise companies to promote flexible working.		x	x	GMCA - Digital	Flexible and productive workforces	x	x		
		Develop a dynamic food procurement system. Firstly, by supporting local food producers and retailers to be investor ready and secondly by working with public sector procurers to move towards new procurement frameworks		x	x	GMHSCP; GMCA; Districts	Enable local food procurement which will shorten food supply chains	x	x	x	x
		Utilise local levers (poss incl taxes/levies) and public procurement to nudge homeowners, landlords and businesses to increase the energy efficiency of their buildings		x	x	GMCA - Environment; Districts	Increase and shift toward sustainable living, normalising energy efficiency, leading towards greater economic impact across the LCGSS.	x	x		x
Communication to Support Behaviour change	Support people and businesses to adopt more sustainable ways of working/living through recovery initiatives e.g. incentives to reduce emissions, use of high emission vehicles, greater flexibility for home working and enhance digital economy. Conditional bailouts for struggling firms.	Ensure all businesses receiving financial and business support are conditional on being supported to align with wider clean growth and Local Industrial Strategy	x	x	x	GMCA - CIT Growth Co	Safeguarding of local jobs, supply chains while increasing low carbon interventions.	x	x		
		Develop key messages to create wider awareness of environment, health and well being to support 'build back better'.		x	x	GMCA - Environment/Comms, H&SCP, UU	GM supports Environment's 'build back better' ambitions. Businesses and householders can reduce cost by being resource efficient	x	x	x	x
		Develop and deliver a plan with stakeholders to encourage longer-term increase in use and engagement with natural environment, including through social prescribing		x	x	GMCA - Environment / H&SCP	Greater value placed on natural environment			x	x
		Develop key messages to support those who need to work from home to continue to do so safely and productively and stagger start/end times for those returning to the office	x	x	x	Businesses	Reduce the need to travel. Increase productivity. Reduced congestion at peak times.		x	x	x
		Communications to increase consumer/citizen confidence in public transport, while managing demand where possible	x	x		TfGM	Informed passengers			x	x
		Installation of EV charging points across public depots and transition business fleet to ULEV. Promotion of EV to business / Public sector to encourage fleet conversion.		x	x	TfGM / Public Sector / Business/ Districts	Normalisation of EV charging infrastructure, reducing charging anxiety leading to the uptake of EV vehicles.	x	x	x	

Promote Public & active transport	Going beyond behaviour change, opportunity to increase the provision of green infrastructure to support low carbon transport, walking and cycling, assessing opportunities for innovative ways to do this (e.g. digitization, pedestrian and bike only streets). Provide confidence for people to use public transport safely.	The deployment of pop up walking and cycling spaces in regional centres. Include safe storage of bikes and e-bike to encourage individuals to use them for travelling into work or to other modes of transport.	x	x	x	Districts / TfGM	Provision of safe spaces for social distanced communiting, exercise and general well being, which leads to greater uptake and longevity of current COVID practices			x	x		
		Implement and support wider delivery of Cycle to work and salary sacrifice for ULEVs schemes for staff and employees.			x	x	GMCA/Districts/Growth Co	Greater promotion and availability of alternative transport to support the demand for increased green infrastructure.			x	x	
		Develop and launch GM position statement and comms messages with stakeholders to encourage responsible use of public transport nodes and active travel and existing green spaces. Monitor situation for any issues, including litter & moorfires)	x	x			GMCA - Environment GMCA - Comms Districts Key site landowners	Responsible use of public areas and green space, supporting people to socially distance, avoiding overcrowding/overuse of key sites and transport nodes			x	x	
		Develop, implement and monitor a balanced infection control policy to maximise safe capacity (for passengers and workforce) and	x	x			TfGM/PHE/GMHSCP/Ds PH		x	x	x	x	
		Develop and implement a programme of enhanced walking and cycling infrastructure	x	x			TfGM and LAs				x	x	
Assess the potential for the creation of new open spaces to support social distancing and implement subject to funding	x	x			GMCA - Environment, Districts, Landowners	x	x		x	x			
Create enhanced public spaces	Arrange socially distanced public areas for use by public including open space cafes. Pop up infrastructure – e.g. walking/cycling lanes. Promote and effectively manage the use of the full range of green space across the city region, and not just the well-known sites, for activity and exercise.	Adapt public spaces, transport hubs and stations in line with government guidance - including at high streets and indoor markets	x			TfGM, Network Rail, TOCs, LAs and other asset owners				x	x		
		Develop a pipeline of Natural Environment projects through IGNITION project (end 2020) and wider framework for funding through the GM Environment Fund (end 2020)			x	x	GMCA - Environment	Better case made and supportive framework for investment in GM's natural environment	x	x		x	
		Manage Resources & waste sustainably	Re-opening HWRCs with full service within social distancing controls; ensure access to services to local businesses (e.g. trade waste collections by districts, access to tipping through weighbridge sites); build resilience in our facilities for managing increased throughputs (depending on how embedded the new normal of home working becomes); greater capacity for materials processing regionally; including waste to energy	Ensure surplus food goes to food banks/charities/communities and not into waste streams	x	x		H&SCP/Food Poverty Alliance	Flow of surplus food reaches the right organisation to distribute throughout GM				x
Staged reopening of HWRCs in line with Defra guidance on social distancing	x						GMCA - Waste/LAs	Resume contractual level of service at HWRCs				x	
Encourage further waste reduction and increased efficiency through public procurement mechanisms					x	x		GMCA - LA's	Stimulate the purchase of environmental friendly goods and services			x	x
Support businesses to follow waste principles throughout their organisations and that any waste subsequently remaining is disposed of as sustainably as possible					x	x		Growth Company/Waste Management Companies	Reduction in waste arising and increases in reuse and recycling	x	x	x	
Capture the lessons learnt from lockdown impacts on waste management to assess if the capacity and opportunity for processing materials more sustainably	x			x				GMCA - Waste	That all waste is processed as sustainability and efficiently as possible			x	x
Encourage carbon-intensive sectors (e.g. construction) to use carbon-reduction as a tool to improve productivity, quality and reduce waste by requiring reporting of all material and operational carbon costs. Look to promote PAS2080 carbon management philosophy of involving the Value Chain in reducing carbon					x	x		Growth Company	Reduction in carbon emissions and waste	x	x	x	
Increase Resilience	Better risk management for climate and future health events needs to be considered e.g. avoiding moorland fires, floods and drought orders - flattening out the demand for water over the summer months to avoid future shocks.	Better understand the possibility of, and potential dates around, establishment of a drought incident "cell" (w/c 18/05)	x	x			Environment Agency	Develop a better understanding of the situation if the current and on-going period of "prolonged dry weather" becomes a "drought" and how/when to				x	
		Promote sustainable water use messages in accordance with its dry weather plans	x	x				GMCA - Environment United Utilities	Consumers of water appreciate the need to reduce demand for water and act accordingly, with actions in line with messages promoted by UU and				x
		Identify opportunities for reusable PPE including potential for local manufacturing/supply chains	x	x				GMHSCP/CA/LA/DsPH/PHE	Resilience in supply chains for PPE and contribution to local economic development	x	x	x	x
		Develop public health focused communications messages around future proofing (e.g. action to avoid future wide scale events from climate and ecological crises)	x	x				DsPH/PHE/GMHSCP/GMCA	Increased awareness of public health risks from climate change and environmental degradation			x	x
		Promotion of flood mitigation when considering retrofit across external campaigns and social housing regeneration			x	x			GMCA / Districts	Flooding resilience and mitigation awareness increased at the point of retrofit in areas of risk.			

GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: 24 July 2020

Subject: GREEN CITY REGION STRATEGIC NARRATIVE

Report of: Hayley James, Asst Director Communications, GMCA

PURPOSE

The purpose of this report is to present work that has been undertaken to develop a Strategic Communications Narrative for the Green City Region Portfolio of the Greater Manchester Strategy.

RECOMMENDATIONS

The Partnership is requested to:

- Agree the Green City Region Strategic Narrative
- Note the proposed next steps

CONTACTS:

Louise Blythe, Chair, Communications Challenge Group

louise.blythe@bbc.co.uk

Hayley James, Assistant Director, Communications, Campaigns and Engagement GMCA

hayley.james@greatermanchester-ca.gov.uk

1. BACKGROUND

- 1.1 On 17th September 2019, GM Leaders received a paper outlining the approach to updating the Greater Manchester Strategy (GMS). Part of this included a connected piece of work related to narrative development. This paper was also tabled at Wider Leadership Team on 9th October
- 1.2 The paper referenced how the Greater Manchester Strategy, launched in November 2017, sets out our collective vision for the city region: to be one of the best places in the world to grow up, get on in life and grow old.
- 1.3 To achieve that vision it is vital that the various GM wide partners and our wider stakeholders are clear how our marketing and communications work fits together behind this common goal.
- 1.4 Over 2018 work took place to develop a brand for Greater Manchester, building on our history of collaborative work and sitting above individual place and organisational messaging to give it a regional context.
- 1.5 The result was the GM Brand Framework (see appendix). At a very high level it sets out the single, aligned Greater Manchester story for use by all Greater Manchester partners, articulating how this single story translates and is flexed directly for:
 - a) Largely international marketing activity encouraging specific target audiences to 'buy' the Manchester 'product' – branded 'M' and using Manchester as the focus
 - b) Local, regional and national communications activity aimed at building awareness, reputation and ultimately trust in the 'promises' made by the partnership with regional and national stakeholders, as well as public audiences within Greater Manchester – branded 'Doing things Differently' and using Greater Manchester as a focus.
- 1.6 In January 2019, the promises were encapsulated in the Future of Greater Manchester event, where we brought our Doing Things Differently identity to life, making clear and bold statements about us working as one to make this a place where we focus together on good jobs, good housing, good transport and so on.

2. NARRATIVE DEVELOPMENT

- 2.1 During 2019, work took place with relevant stakeholders to develop more detailed strategic narratives, sitting underneath the Brand Framework, for Greater Manchester's marketing work i.e. our major 'products'.

- 2.2 We have now developed similar top level messages for the communications work i.e. our major 'promises', ensuring we consistently communicate our ambition for good housing, good transport, clean air, digitally connected communities and so on.
- 2.3 This work was not started from scratch. The process to develop these narratives has utilised and built upon the wealth of knowledge that GMCA, wider Greater Manchester staff and partners already had on each promise, as well as the major published strategies and plans for each. The objective was to distil these in to distinct, top level narratives for each promise.
- 2.4 The narrative development process was intended to form part of the GMS refresh engagement process running over winter 2019 and spring 2020, with the output forming the framework for the top level narrative for the new strategy. This would ensure the messaging and strategy were entirely consistent, reinforcing our one shared story and enabling a wide range of staff, partners and stakeholders to advocate confidently and communicate consistently on behalf of Greater Manchester.
- 2.5 The GMS development process has changed due to the pandemic. A one year plan is in development and this, along with wider work being undertaken in support of strategic priorities for the city region, will instead be the starting point for use of the narratives.

3. PROCESS

- 3.1 The aim of the project was to develop succinct, top-level strategic narratives for each of the key promise areas in the Greater Manchester Strategy: transport, ageing, culture, green, economy, work and skills, safe and strong communities, young people, housing, health and care, plus an overarching pan-Greater Manchester narrative to tie them all together. An additional narrative to support digital was also created, so twelve in total.
- 3.2 Each strategic narrative builds upon the detailed strategies and plans that already exist around each policy area, distilling and developing these into a clear and compelling narrative, to ensure Greater Manchester's shared story, is more shareable.
- 3.3 The result is a messaging framework which people and partners can flex and adapt, but which ensures core themes and key messages remain consistent and compelling.
- 3.4 They are specific to each of the 'promises' but aligned to one overall city region story.

4. PROCESS – GREEN CITY REGION NARRATIVE

- 4.1 The scoping work for development of the Green City Region narrative followed a model which included insight and information on:
- Audiences: Insight on what they think, feel, know
 - Attributed and activities: What had taken place so far and what was in plan
 - Context: International, national and local experience and expectation/situation
- 4.2 Once this information was gathered, initial ideas were shared and refined, resulting in a workshop at the inaugural Communications Challenge Group in October 2019.
- 4.3 At this session ideas, sentiment and statements were tested and a draft narrative was developed. Further changes were made following additional feedback from the GCR Comms and Behaviour Change Challenge Group on key messages and tone and an update was shared with members of the Challenge Group.

5. STRATEGIC NARRATIVE FOR GREATER MANCHESTER GREEN CITY REGION

5.1 Headline narrative

Taking action today, tomorrow and together

Greater Manchester is adopting a clear and ambitious approach to climate action, driven by the science and evidence but with individual, community, industry and institutional action at its heart.

An approach that recognises the role we can all play in taking action to reduce carbon emissions and improve our environment and one that champions collective endeavour, partnership, innovation and positive action.

Where we all take action - making better choices, smarter swaps, buying and consuming more consciously, replacing, re-using or reducing. Investing in and embracing more sustainable businesses, organisations, lives and lifestyles – today, tomorrow and together.

5.2 Key messages

Bold in ambition and approach: An ambitious and aspirational strategy and vision that recognises urgency, with clear targets to achieve carbon neutral by 2038. The first UK city-region adopting a science based approach with a desire to make change quickly and at scale.

Active, clean and green places and spaces: With a clear vision and target to clean up the air, protect nature and recognise and build value in outdoor spaces and places across the region. Encouraging all to enjoy, use and spend time active and outdoors.

Powered by partnership: A place with a rich history of social action and people powered movements, putting people at the centre. Collaborative, inclusive and collective in ambition and in delivery - across sector, across strategies, across communities, across the region.

Investing in our future: A place that's taking an approach which encourages action, innovation and investment today, to accelerate change and achieve impact tomorrow. Re-thinking the rules, challenging the old models and ensuring a new approach and new mind set is central - in technology, in processes, in financial and business models and in education and skills. Whilst also building resilience into systems and places to ensure shocks and strains can be managed in the short-term.

Making better choices, alone and together: An approach that recognises to achieve impact, it requires change from all of us. From the small and individual, to the collective and at scale. Citizens, businesses, developers, local authorities, policy makers, healthcare providers, government making positive choices and changes (smart swaps, sustainable investments, active travel, conscious consumption and procurement) to make a positive difference. Reduce, reuse and switch to renewable energy.

6. OTHER ALIGNED WORK

- 6.1 Further development of the Doing Things Differently identity: 'Doing Things Differently' is the identity we use when a project, programme or campaign is delivered by a number of different Greater Manchester partners i.e. it is not a specifically TfGM, GMCA or Partnership piece of work. It gives us one, single, consistent identity for our place, which signifies our distinct partnership approach and begins to build brand awareness for the city region with regional and national stakeholders.
- 6.2 It's flexible enough to be used across our ten 'promises' and has been used for the Future of GM event, GMSF, Police and Crime Plan, Ageing Hub digest and more.
- 6.3 However, it needs further work to ensure it becomes an identity with longevity as well as impact and is flexible enough to meet all requirements. As the narrative development nears completion we propose a piece of work to complete the creative development of this identity, giving GM a look and feel of which it can be proud.
- 6.4 This is the identity we would use for the one year GMS plan and subsequent supporting activity
- 6.5 Work is also being undertaken by the challenge group to capitalise on the Manchester bee emblem and incorporate the concept of environment into the identity of the city region. Further work on this will be shared as this is developed.

7. THE END PRODUCT(S)

- 7.1 We will bring together the narratives and the further developed Doing Things Differently identity to create a messaging and asset toolkit. This will give us a place where staff and stakeholders across Greater Manchester can come to draw down the consistent, simple, clear and professionally produced story of who we are and what we're about, in order to learn more about us and/or use this content in their own communications.
- 7.2 This will sit alongside the same product for our marketing work, so, for example, should someone need to talk to international digital investors they'll have the collateral they need to do that. Likewise should they want to present to head teachers about our digital skills vision they'll have what they need to do that. And if they want to weave in our story of transport connectivity and a healthier population they can draw that down too.
- 7.3 This will enable internal stakeholders to align their local narratives with the Greater Manchester story, helping organisations and districts explain how they fit within the regional story.
- 7.4 And we can share this resource proactively with our newly identified and activated influencers and partners, providing them with the tools they need to advocate on our behalf.

8. COVID IMPACT

- 8.1 The narrative project was completed shortly before the pandemic happened. As the COVID impact became clearer, and the decision to create a one year GMS 'bridging plan' was taken, it was agreed that the overarching ambitions of Greater Manchester had not changed. The prioritisation of activity to support the city region through the next year and beyond aligns to the aims in the original GMS and, as such, the strategic narrative still compliments this work.
- 8.2 In terms of application, there has already been some work done by the Communications Challenge Group to use the strategic narrative and evolve it specifically for COVID; this is the precise purpose the narrative was created for. By using the strategic narrative as a starting point, and adapting elements for a specific theme, programme or in this case, moment, the narrative enables connection between areas of work all linked to the same agenda.

9. NEXT STEPS

9.1 Now the final Green City Region narrative has been shared and trialled with the Challenge Group, through a task and finish key messages group, and all the other strategic narratives have been developed having gone through similar processes, roll out of the suite of narratives is planned. The Doing Things Differently identity refresh will also be included in this roll out. The process will include:

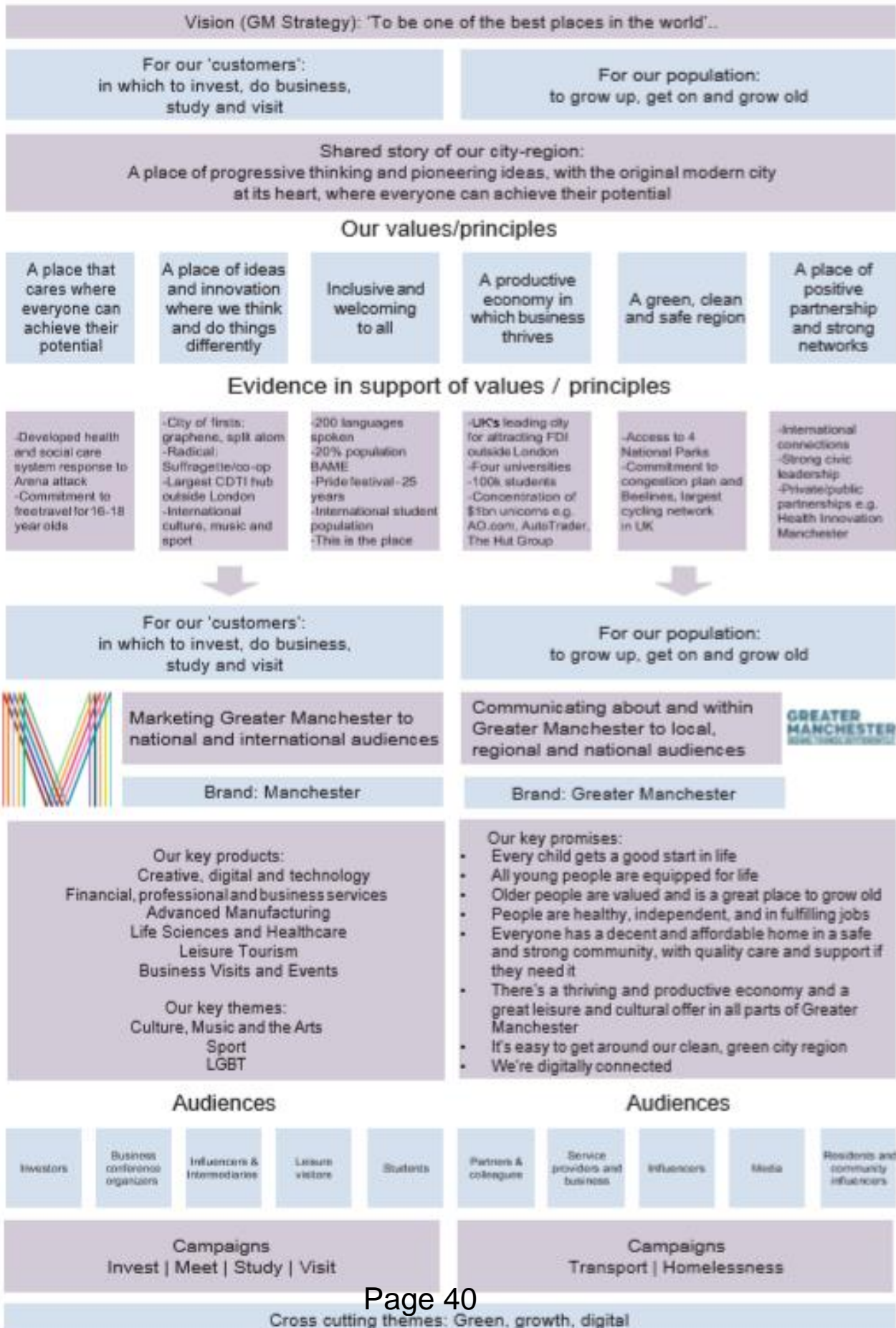
- Roll out within the Communications and Engagement function and Green City Region Policy team at GMCA
- Sharing and cascade through the Greater Manchester Head of Communications network during August (including Local Authorities, NHS organisations and GMHSCP, GMP, Marketing Manchester, TfGM)

10. RECOMMENDATIONS

The Partnership is requested to:

- Agree the Green City Region Strategic Narrative
- Note the proposed next steps

Greater Manchester Brand Framework



GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **PERFORMANCE UPDATE – Q1 (Apr-Jun)**

Report of: **Mark Atherton, Director Environment, GMCA**

PURPOSE OF REPORT

The report provides the usual update on progress of delivering the 5 Year Environment Plan and the work of the Green City Region partnership for the first quarter of 2020/21.

In addition, this report sets out initial plans for the proposed GM Green Summit to be held in September 2020.

RECOMMENDATIONS:

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 Team Performance Overview) and
 - b. Annex 02 (5 Year Environment Plan Performance).
- Note and comment upon the emerging Plans for the Greater Manchester Green Summit 2020 (Appendix 1)

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1.0 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 Thematic areas within the 5 Year Environment Plan. There are a number of key successes to be highlighted, set out below:

Energy

- Local Energy Management project launch delayed further until July 2020 (due to COVID related matters).
- Decision to repeat/expand GM Solar PV Together offer is pending completion of the initial programme of activity which has been delayed due to COVID and the inability for contractors to enter homes.
- DEEP Heat feasibility study has identified 41 projects and 9 focus areas for Phase 2 outline business cases (subject to BEIS approval of Phase 2 funding).
- Assessments of LA assets for renewable energy - soft market testing commenced in June 2020 with PV development community. Phase 2 will focus on gathering market intelligence on capex, partner and lease approaches to renewables development.
- Energy Transition Region (ETR) and more specifically the Energy Innovation Agency concept has been shared with GM Innovation Board, receiving broad support to further develop key components.
- Low carbon heating alternatives in buildings (linked to Buildings Challenge) - commenced soft market testing to understand the differing approaches to overcoming technical and funding challenges to deployment.
- Revised draft of the Hydrogen Strategy is pending the sharing of a recent Electricity North West/Cadent Energy Masterplanning report by Navigant.

Buildings

- GM housing stock data baseline is on track to be developed by Summer 2020 with final project outputs expected by January 2021. For new build, Currie & Brown report for GMSF has provided minimum standards and will be considered within policy approach.
- The Local Energy Advice Programme (LEAP) was suspended in March due to lockdown. Discussions are continuing with Ofgem as regards restarting the service and Groundwork has continued to provide 'over the phone' support to households in the interim period.
- Retrofit accelerator tender is due to be released to gain consumer and demographic insight across GM. This will be utilised to compliment the retrofit/stock condition modelling in order to propose a retrofit accelerator proposition to the GM market.
- Public buildings - Soft market testing is taking place as part of Decarbonising Public Estate (DoPE) work to assess potential projects for the key energy consuming buildings across GM. Individual interviews have taken place with each LA.

- STEP-IN fuel poverty research - iteration 2 (of 3) concluded in February prior to lockdown. Alternative plans have been put in place for iteration 3, which will be held virtually rather than using on-site visits.
- GM submitted a response to Environment Audit committee consultation on energy efficiency.

Transport

- GM walking and cycling investment plan - CYCLOPS junction complete; Active Neighbourhoods project and construction of 2 further MCF funded projects commenced; Bee Network Wayfinding package submitted to DfT for approval; Zebra Trials project paused due to COVID-19.
- GM Clean Air Plan - GM LAs will commence public consultation pending a clear timeframe for exiting lockdown and moving to the next phase of the COVID-19 response.
- GM Clean Air Zone (CAZ) - delayed to 2022 due to COVID-19. Work continues on the preparatory implementation and contract arrangements to deliver the CAZ and other GM CAP measures.
- GM EV Charging Network - Be.EV brand launched on 19 June (www.be-ev.co.uk).
- Projects – ‘EV Infrastructure’ project identified 63 locations with LAs to accommodate 300 charging devices with outline design and costs (funding to be agreed with government); ‘EVI Taxi’ project case developed to deliver 40 rapid charging devices; Early Measures - 24 rapid charging devices with detailed design and costings submitted to TfGM for public host sites; Promotion - Taxi 'Try before you Buy' proposal scoped.
- 30 locations identified for OLEV charging points for Taxi/PHV trade.
- Zero Emission Vehicles - To support the upgrade of LA fleet to EVs, work has been undertaken with LAs to determine the best location and suitability of power supplies for EV charging points at LA depots; MCC waste contractor has ordered 27 electric waste disposal vehicles on behalf of MCC;
- Formal operator and supplier engagement on Electric Buses has been postponed due to COVID-19; 150+ buses retrofitted to date through Clean Bus Technology Fund (CBTF); £15.4m received from JAQU on Clean Bus Fund (CBF) with first draft of delivery plan submitted.
- Working draft of GM Freight Strategy refreshed.

Sustainable Consumption and Production

- 69 SMEs supported by the Growth Company (Oct 19 - Mar 20) to reduce resource consumption (saving 2,159t CO2e/pa). The 38 grants issued leveraged £148kk of private investment with a further 106 companies supported in Low Carbon Sector.
- LA single-use plastic spend review on catering consumables and disposables commissioned and first meeting held with Heads of Procurement.
- Work progressing with Suez to open 3 re-use hubs at GM HWRCs by March 2021.
- Last stages of food waste collection modelling (focused on treatment) are being finalised.
- H2020 bid with MMU on 'Food Living Lab' was unsuccessful. Exploring potential for GM food procurement facilitation bid in SBRI fund.

- Carbon financial investment calculator, led by Stockport Council is delayed due to Covid-19.
- Refill station roll-out delayed due to Covid-19 (concerns raised over health and safety).
- Tourism and Hospitality plastic reduction guide and progression with GM food strategy and vision consultation to inform forward plans delayed due to Covid-19.

Natural Environment

- Lancashire Wildlife Trust (LWT) confirmed as Defra ELMS peri urban pilot.
- Natural Environment Toolkit resources updated to ensure COVID appropriate.
- Environment Fund (EF) partnership opportunity awarded to LWT. Fund is progressing with LWT's involvement whilst joint agreement is drafted.
- 'Groundtruthing' to assess viability of sites for the waste water banding charge reduction funding stream (FS1) delayed due to COVID-19.
- Natural England submitted final draft report on GM Peatland Restoration Pilot to DEFRA and wider social barriers report completed.
- Consultant to deliver GM micro plastics study selected and draft contract prepared.
- Tenders for an Nature Based Solutions (NBS) Living Lab at UoS completed.
- Biodiversity Net Gain action plan updated and new governance arrangements developed including NRN and BNG task and finish groups.
- Baseline report on GM's urban green infrastructure produced along with an evidence base of NBS benefits.
- Draft GM Resilience Strategy under review in light of Covid-19.
- Brief for GIS mapping complete. Discussion ongoing internally to see how this complements wider IGNITION work and the DWMP portal that UU are progressing,
- Baseline evidence for Strategic Flood Risk Assessment being finalised to inform next iteration of GMSF policy.
- Environment Agency reviewing future programme for flood risk investment for next cycle (2021 - 2027).

Communications

- Work commenced on new Green City Region (external) website.
- Green City Region narrative signed-off after post-pandemic review and approval gained to use the 'Green Bee' as a Green City emblem.
- Carbon Literacy course under review. Potential to trial with GMP as part of BEIS pilot.
- Plans progressing on virtual Green Summit 'week' taking place 21st - 24th September 2020. (See Appendix 01 for further details).

3.0 KEY ANTICIPATED ACTION IN THE NEXT QUARTER

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

Energy supply

- Commence review of existing onshore wind analyses.
- Complete current Solar PV activity and decision to be taken on repeating/expansion of GM Solar PV offer (phase 2).
- DEEP phase1 final report due July 2020 with a decision on phase 2 funding due thereafter.
- LA renewable energy generation project - soft market test detail on low carbon heating deployment due August 2020.
- Outline business case for Energy Innovation Agency due by September 2020.
- GM Hydrogen Strategy - Revise draft to include wider industry feedback.

Buildings

- Develop common position on Regulated Asset Base funding with ENWL Sustainability Group.
- Retrofit accelerator tender to be issued and awarded.
- Decarbonising Public Estate (DoPE) soft market testing to be completed by August 2020.
- LA Renewable energy tariff position to be established by end July 2020.
- Follow up to be made on operational performance monitoring, including sustainability indicators in building reviews.

Transport

- GM walking and cycling investment plan - GM bike hire to complete first stage of tender process; GM crossings package to complete full business case; Further challenge fund development costs and business cases approved with more schemes started on site.
- GM Local Authorities agree to move to a statutory public consultation on GM Clean Air Plan.
- Undertake preparatory procurement arrangements with potential suppliers on behalf of the GM Authorities on CAZ and CAP measures to final evaluation.
- Launch Be.EV membership scheme and pay as you charge model - Sept 2020.
- Expansion: EV strategy drafted.
- Projects: 'EV Infrastructure' project funding agreed with government; 'EVI Taxi' project locations identified; 'Early Measures' project - 24 rapid charging devices at detailed design with a number of schemes installed and operational
- Commence engagement with Taxi trade on potential OLEV charging sites.
- Installation of the first charging points at LA depots (Salford council have committed to 12 EV vehicles that are imminent and infrastructure installed).
- Secure funding from the £5 billion announced in the March budget for buses and cycling. (Budget 2020 suggested c. £2 billion/4,000 zero-carbon buses nationally).
- Resume formal Operator and Supplier engagement on Electric buses.
- Clean Bus Fund - Submit final business case documents to JAQU.
- Gain District and Stakeholder feedback on draft GM Freight Strategy and use to provide a key building block in developing a costed roadmap for reducing freight emissions.

Sustainable Consumption and Production

- Complete desktop study on potential areas of focus for local taxation levers.
- Investigate viability of contactless water refill stations. Advice received from Public Health England and City to Sea.
- Commence supplier mapping and gather historical data on single-use plastics spend (catering consumables and disposables) across LAs.
- Commence Carbon Literacy project to adapt generic LA carbon literacy course for procurement people.
- Finalise indicative survey questions for mapping baseline data of Circular Economy in GM and commence contact with initial cohort of 10-15 large cross-sector organisations in GM.
- Final report on food waste modelling to be presented to SOG.
- Launch home composting campaign in July 2020 (R4GM).
- Explore 'reusables on the menu' campaign with National Refill to be launched summer 2020.
- GM Food Board to reconvene in late July 2020 to review food strategy vision and prioritisation of actions in light of COVID-19.
- Review plastics consultation and guide to Tourism and Hospitality sector in light of COVID-19.

Natural Environment

- GM Ecology Unit (GMEU) to develop Nature Recovery Network.
- Release Natural Environment Toolkit resources and launch of film at Green Summit.
- Continue to promote My Wild Garden booklet/flier and disseminate results from nature engagement survey.
- Respond to England Peat Strategy and agree next steps for GM Peatland Restoration Pilot.
- Natural Course Phase 3 - Finalise contract for commission of research into sources of micro-plastics contamination of rivers in GM; Agree programme of work for next phase of activity to improve fish passage on River Croal in Bolton; Commence next phase of Moston Brook and GM water governance projects;
- Environment Agency to finalise ITT for consultants to produce River Irk Action Plan.
- Continue to support LAs in developing BNG policies and determining applications including use of guidance.
- IGNITION Project - Commence installation of Living Lab; Progress 'groundtruthing' of potential FS1 sites to assess the scale and viability of the funding stream, with a view to producing a business case. Develop a (virtual) schools engagement programme to develop awareness of climate adaptation and NBS.
- Develop Investment Strategy and deliver online webinar to update on proposals.
- Partner to establish GMEF as a legal entity and partnership agreement to drafted and signed by GMCA and LWT. Launch of the GMEF as part of Green Summit.
- Circulate GM Resilience Strategy draft in September 2020 and identify resource to progress with GIS mapping/analysis.
- Strategic Flood Risk Assessment - Finalise critical drainage area evidence and remaining flood assessments.

Communications

- Task and Finish Groups - Key messages agreed; Ambassador list increased; Case Study work commenced.
- New Green City Region website developed and launched with open invite for content contributors.
- Finalise plans for virtual Green Summit.
- Online suitable Carbon Literacy course to be developed and paper progressed to SMT for review.

4.0 IDENTIFIED RISKS AND EMERGING ISSUES

4.1 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:

Key risks:

- Failure of the 5 Year Environment Plan to achieve a step change in reducing carbon emissions. The challenge has been shown by the recent release of data for 2017, which saw a 3.7% reduction (against the need for 15% year on year reductions).
- Failure to meet ambitious recycling and waste diversion targets. Current household waste recycling rate is 48%. Measures are underway 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.

Work programme issues:

In terms of the priorities set out in the 5 Year Plan, the following areas remain flagged as “red” (see Annex 02 - 5 Year Environment Plan Performance).

- The decarbonisation of GM’s homes through deeper whole-house retrofit. This 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. A Retrofit Accelerator tender is due to be released to gain consumer and demographic insight across GM. This will be utilised to compliment the retrofit/stock condition modelling in order to propose a Retrofit Accelerator proposition to the GM market. Additionally, the GM skills team are producing a Skills Action Plan to support the varying areas of retrofit.

- Decarbonising freight transport. This is being mitigated by TfGM assessing and developing a roadmap to reduce freight emissions and support model shift, increased efficiency and alternative fuels for HGVs. A refreshed working draft of the GM Freight Strategy has now been developed which will be used to provide a key building block in developing a costed roadmap for reducing freight emissions.
- Delay in delivery of the GM Resilience Strategy. The Resilience Strategy is under review in light of Covid-19, and a one-year living with Covid plan is being drafted.

5.0 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 Team Performance Overview) and
 - b. Annex 02 (5 Year Environment Plan Performance).
- Note and comment upon the emerging Plans for the Greater Manchester Green Summit 2020 (Appendix 1)

APPENDIX 1 – GM GREEN SUMMIT PROPOSALS 2020

Green Summit 2020 “Greater Manchester Goes Green”: Planning Update

1. For a third consecutive year, GMCA will be hosting “Green Summit 2020 - Greater Manchester Goes Green”. The event will be a virtual format commencing Monday 21st September and take place over four days with the final day focusing on the Green Recovery on Thursday 24th September with the support of the Mayor of Greater Manchester, Andy Burnham and the GM Youth Combined Authority.
2. Work commenced on a virtual event during June when it was agreed that a live event to be staged at the Bridgewater Hall would be unachievable due to lockdown restrictions and the reluctance of people to use public transport to travel to a central venue. The new format of the event provides the opportunity to curate content from even more of Green City partners, appealing to and engaging a wider audience in the region than a live event would have been able to achieve.
3. This year GMCA Environment Team have been planning and co-producing event content with the assistance of the GM Youth Combined Authority, ensuring that we address the climate concerns of all GM citizens, especially those of young people. Content curated by GMCA will also be targeted at the business sector, citizens as well as education establishments.
4. GMCA Communications Team are currently procuring an external digital platform provider ensuring that the event is delivered in a professional, seamless format ensuring safe-guarding regulations are adhered to for all sessions. To ensure that the event is interactive with the audience during the daily sessions, live-streaming, live chat rooms and voting polls are being investigated alongside all current (and new) social media channels.
5. The programme will be themed across the four days: Greenspace & Climate Adaptation (Monday), Transport & Energy (Tuesday), Buildings & Waste, Plastic & Recycling (Wednesday) and the Green Recovery / Building Back Better (Thursday) – see Fig.1.
6. There will be three elements of the daily programme (overview attached in appendix) including live and pre-recorded content curated by GMCA teams and the YCA, pre-recorded updates from the Five Year Environment Plan Challenge Groups and spotlight sessions provided by Green City partners over a variety of creative formats. Live sessions will start at 10:00am and finish at 3:00pm. All sessions will be recorded and available to view at a later time and date.
7. Invitations for with a pro-forma brief will be circulated to Green City partners, week commencing 13th July asking for expressions of interest to deliver spotlight sessions, to be returned for the end of July. This provides the opportunity for our green partners to deliver sessions through a ‘spotlight’ programme, helping to provide a diverse event and amplify different and emerging climate voices.
8. There will be a virtual ‘marketplace’ promoted throughout the week, offering partners the opportunity to showcase their organisations via their logo, one-line pitch and link to their websites with the possible offer of a chat through a meeting platform. The marketplace will be an element of the partner sponsorship proposal offering different levels of support towards the event.

Fig 1: Proposed event programme

	DAILY (GMCA curated) SESSIONS Live and Pre-record	CLIMATE CHANGE (5YEP) “ONE YEAR ON” UPDATES Pre-recorded with partners	SPOTLIGHT SESSIONS Delivered directly by partners - Mix
MONDAY Natural Environment & Climate Adaptation	<ul style="list-style-type: none"> • Pre-Recorded Welcome from Mayor & YCA (10mins) • Pre-Recorded Keynote Speaker (10 mins) • YCA Workshop Greenspace (45mins – 1 hour) • Live Q&As with questions posted through social media channels relevant to (the theme) Panel featuring speakers from the Challenge Groups & YCA with compere in live studio 	<ul style="list-style-type: none"> • Pre-recorded introduction to (theme) of Challenge Group by Chair (10 mins) • Pre-recorded sessions placed throughout a half-day of the theme featuring progress of how partners have contributed to T&F groups (3-5 mins each) <p>REPEAT FOR SECOND THEME</p>	Open invite to all partners to deliver a session which demonstrates action towards the 5YEP. Encourage session which are lively, interactive, informative with engaging formats eg. virtual tours, workshops, live voting sessions, live cooking sessions, sus fashion show, education sessions
TUESDAY Green Transport & Energy	<ul style="list-style-type: none"> • Pre-Recorded Welcome from Mayor & YCA (10mins) • Pre-Recorded Keynote Speaker (10 mins) • YCA Workshop Green Transport (45mins – 1 hour) • Live Q&As with questions posted through social media channels relevant to (the theme) Panel featuring speakers from the Challenge Groups & YCA with compere in live studio 	<ul style="list-style-type: none"> • Pre-recorded introduction to (theme) of Challenge Group by Chair (10 mins) • Pre-recorded sessions placed throughout a half-day of the theme featuring progress of how partners have contributed to T&F groups (3-5 mins) <p>REPEAT FOR SECOND THEME</p>	Open invite to all partners to deliver a session which demonstrates action towards the 5YEP. Encourage session which are lively, interactive, informative with engaging formats eg. virtual tours, workshops, live voting sessions, live cooking sessions, sus fashion show, education sessions
WEDNESDAY Buildings & Waste and Resources	<ul style="list-style-type: none"> • Pre-Recorded Welcome from Mayor & YCA (10mins) • Pre-Recorded Keynote Speaker (10 mins) • YCA Workshop Recycling & Plastic (45mins – 1 hour) • Live Q&As with questions posted through social media channels relevant to (the theme) Panel featuring speakers from the Challenge Groups & YCA with compere in live studio 	<ul style="list-style-type: none"> • Pre-recorded introduction to (theme) of Challenge Group by Chair (10 mins) • Pre-recorded sessions placed throughout a half-day of the theme featuring progress of how partners have contributed to T&F groups (3-5 mins) <p>REPEAT FOR SECOND THEME</p>	Open invite to all partners to deliver a session which demonstrates action towards the 5YEP. Encourage session which are lively, interactive, informative with engaging formats eg. virtual tours, workshops, live voting sessions, live cooking sessions, sus fashion show, education sessions

<p>THURSDAY</p> <p>“BUILD BACK BETTER”</p>	<ul style="list-style-type: none"> • LIVE: Welcome address from Mayor & YCA (20 mins - 7 Areas for Green Recovery) • Pre Recorded Keynote speaker (big name TBC) • YCA Workshop – Climate Change (45mins -1 hour) • Address/discussion from UN Youth Envoy • Transatlantic link-up with NYC / Boston (TBC) • GM’s Green Recovery Plan – Cllr Western (TBC) • Susty Face-off (4 x 10 min powerful addresses with live voting poll) links into live studio Q&A with Mayor and panel of speakers (inc YCA) at end of day. 	<ul style="list-style-type: none"> • GMCA Skills Team – Green Sector training and skills (TBC) YCA & GM • Young Person Taskforce – workshop Our Pass / Our Youth (TBC) 	<p>Open invite to all partners to deliver a session which demonstrates action towards the 5YEP. Encourage session which are lively, interactive, informative with engaging formats eg. virtual tours, workshops, live voting sessions, live cooking sessions, sus fashion show, education sessions</p>
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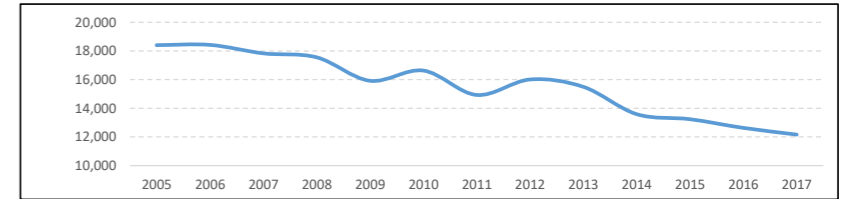
Annex 01 5Yr Environment Plan Performance

5-Year Environment Plan Priorities					
Ref	Key Priorities (2024)	Status	Measure	% Towards target	Commentary
E1	Increase local renewable energy (electricity) generation, adding at least a further 45MW by 2024.	↑ Green	Additional renewable capacity (MW)	11%	132 MW of renewable capacity generated in March 2019, 5MW higher than in June 2018 and 11% progression towards target. NOTE: Due to the closure of the Feed-in-Tariff in March 2019, there will be no further releases of data.
E2	Decarbonise how we heat buildings, adding at least a further 10TWh of low carbon heating by 2024.	↔ Green	Additional energy from low carbon heat sources (TWh). Note: ONS measured in MW	TBC	82 MW of GM accredited renewable heat sources generated up to May 2020 (non-domestic only, no change from Jan-20).
E3	Increasing the diversity and flexibility of our electricity supply, adding at least a further 45MW of diverse and flexible load by 2024.	↔ Green	Additional flexible and diverse load available (MW)	TBC	Measure for increasing the diversity and flexible load of electricity is under review.
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	No of whole house retrofits carried out	TBC	Reporting on retrofit measures to reduce heat loss by 57% in homes will come from ERDF projects and self-reporting from stakeholders.
B2	Reduce the heat demand from existing commercial and public buildings with a 10% reduction by 2025.	↓ Amber	Increase in energy certificate ratings D or above	TBC	86.9% of GM lodgements have an energy efficiency rating of D or above (EPC/DEC) in Q2 2019. This is a slight decrease from Q2 2018 of 0.7%. Overall we outperformed the national average by more than three percentage points in the Q2 2018 data.
B3	Reduce the heat demand in new buildings.	↑ Green	TBD	TBC	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	Reduction in CO2 consumption emissions	TBC	Measure/s to monitor Sustainable Consumption and Production is under review. Mapping of material flows research to commence with PhD student from UoM.
			No of re-use pilots launched in Greater Manchester (3 per year)	20%	Refill pilot launched in Bury and Tameside. 'Grab your Cup' pilot launched in Jan 2020. 20% progression towards 5-year re-use target (3 per year).
SCP2	Becoming more responsible consumers - limiting any increase in waste to 20%.	↔ Green	Domestic residual waste production (kg/hh/yr)	Increase of 9%. Within 20% limit.	Increase of 40.53kg/household of residual waste from 2017/18 to 2018/19.
			No of streams of avoidable single-use plastic taken out of public estate - TBD	TBC	No of streams of avoidable single-use plastic removed from public estate will be reported against the GM Plastic Pact. A single-use plastic spend review is now underway.
SCP3	Managing our waste as sustainably as possible to achieve a recycling rate, 55% by 2024, and 65% by 2035.	↔ Amber	Yr on Yr increase in recycling rates (%)	87%	Recycling rate (2018/19) is 47.9% up 0.8% from 2017/18 against a target of 55% for 2024. Landfill diversion rate (2018/19) is 94%.
SCP4	Reduce unnecessary food waste.	↔ Amber	TBD	TBC	Measure under review. Cannot be monitored through waste data flow at present as GM has mixed food and garden waste collection and disposal. Data has been provided by Too Good To Go on reduction in food waste in GM (meals saved). Potential to receive the same form Olio and Karma.
NE1	Managing our land sustainably, including planting 1m trees by 2024.	↑ Amber	Amount of peatland restoration and management for carbon sequestration	TBC	Measure to monitor peatland restoration is under review.
			No of trees planted	46%	2019/2020 target of 100,000 trees to be planted with 1 million by 2024. Currently at 459,929 trees planted against 1 million target by 2024.
NE2	Managing our water and its environment sustainably.	↑ Amber	Water bodies enhanced (per km)	TBC	47km of water body enhanced in 2016-2018. Target of 542km by 2027.
NE3	Achieving a net gain in biodiversity for new development.	↑ Amber	TBD	TBC	Measure under review. Proposed indicators are: Number of projects that are aiming to deliver biodiversity net gain; and overall predicted biodiversity unit % change.
NE4	Increasing investment into our natural environment.	↑ Amber	Amount of non-public investment	TBC	Reporting on increasing investment in natural environment will be within Natural Capital Investment Plan.
NE5	Increasing our engagement with our natural environment.	↑ Amber	Increase in number of people engaged	TBC	NOTE: 2018/19 was last reporting year of MENE. To be replaced with People and Nature survey from 2020/21. Experimental UK statistics available at : https://www.gov.uk/government/statistics/the-people-and-nature-survey-for-england-monthly-interim-indicators-for-may-2020-experimental-statistics . Currently investigating additional sampling for GM.
CC1	Embedding climate change resilience and adaptation in all policies.	↓ Amber	No of policies	TBC	Indicators to be confirmed as part of the IGNITION project and Resilience Strategy.
CC2	Increase the resilience of and investment in our critical infrastructure.	↑ Green	No of planning permissions granted contrary to EA advice on flood risk	TBC	Measure is being reviewed as seems at odds with the overarching action.
			No of hh moved to lower probability flood risk	TBC	Measure under review.
CC3	Implement a prioritised programme of nature-based climate adaptation action.	↔ Green	Uplift in urban green infrastructure	TBC	IGNITION project will work on baseline and appropriate urban adaptation uplift targets (i.e. 10% increase in urban GI).
CC4	Improve monitoring and reporting.	↑ Amber	TBC	TBC	Indicators to be confirmed as part of the IGNITION project and Resilience Strategy.
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	Ratio of journeys made by car versus sustainable modes of transport	Current ratio: 39/61	Current ratio of journeys made by car vs sustainable modes of transport is 39/61 against a target of 50/50 for 2040.
			Increase in proportion of all trips made by cycling and walking (%)	0.5% increase in 2018/19 compared to 2015/16.	28.5% of all trips made by cycling/walking in 2017/18 up from 27% in 2015/16.
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	No of plug-in vehicles registered licensed in GM (Source: DfT vehicle statistics)	51% increase from 2018	4,951 plug-in vehicles registered at end Q1 2020, 20% increase from Q2 2019.
			Increase in No of ultra-rapid charge points installed (GMEV network)	Currently 4 in GM (all in SK4)	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 (-).
T3	Tackle the most polluting vehicles on the road. (Up to 200,000 low carbon vehicles by 2024).	↑ Green	TBC	150+ buses retrofitted	150+ buses retrofitted to date through Clean Bus Technology Fund. Full reporting to be aligned with Clean Air Plan.
T4	Establish a zero emissions free bus fleet. 100% of all buses are zero emissions (tailpipe) by 2035.	↑ Green	No of new zero emissions buses entering the fleet	Currently 3 in the TfGM fleet. Awarded funds for 23 more. Stagecoach deployed 32 EV double deck buses.	3 zero emission buses in TfGM fleet to-date. Stagecoach deployed first of 32 full EV double deck buses.
			Proportion of total bus fleet that are zero emissions	TBC	Measure under review - Reliant on operators sharing this data on an infrequent basis. Some operators do not share any data.
T5	Decarbonising freight transport and shifting freight to rail and water transport.	↑ Red	Delivery of freight roadmap	In progress	Refreshed working draft of GM Freight Strategy has been developed which will be used to provide a key building block in developing a costed roadmap for reducing freight emissions.

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Annex 02 Environment Team Performance Overview

GM CO2 Emissions (kt CO2)



Risk	Programme Issues	Resources	Costs	Overall Delivery Confidence
Amber	Green	Amber	Green	Green

Individual Work Programme Delivery Confidence					
Energy	Buildings	SCP	Natural Environment	Climate Change	Transport
Green	Green	Green	Green	Green	Green

Key Risks (Top 5)				Work Programme Issues (Top 5)		
Risk Event	Risk	Mitigation Plan	Post Risk	Issue	Status	Mitigating Action/s
Failure of Environment Plan to achieve a step change in carbon emissions.	Red	Regular reporting to LC Programme Group, LC Hub Board and WLT.	Amber	TRANSPORT: Decarbonising freight transport and shifting freight to rail and water transport.	Red	Refreshed working draft of GM Freight Strategy which includes strong reference critical importance of environmental issues, and outline of how policy can assist with freight-related emissions targets.
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	SCP: Delay in delivery of GMCA Waste and Resources Strategy.	Red	A 5-year SCP plan to be produced in 2020. Waste and Resources Strategy to be developed following government consultations.
Failure to meet recycling and diversion targets.	Red	New contract in place. Waste composition will assess feasibility of achieving targets. Waste and Resource strategy to be developed.	Amber	NE: Difficulties in uptake and use of natural capital tools by LAs and partners. Slow uptake in delivery of BNG policies and development management.	Amber	Engage with LAs and partners on uptake of natural capital tools and what further support is needed. BNG Task and Finish Group to support delivery. Identification of pilot habitat bank will provide replicable models.
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.	Amber	CC - GM Resilience Strategy delayed.	Red	GM Resilience Strategy is being reviewed in light of Covid-19, and a one-year living with Covid plan is being drafted.
Unable to meet accelerated deployment of renewable energy generation.	Amber	New projects in place and/or in development including expansion of Solar PV offer, LA Renewable Energy, LEM & DEEP.	Amber	BUILDINGS: Availability and consistency of building data and asset knowledge is varied. Level of engagement is varied and needs to increase. High level engagement required in some cases.	Amber	Commenced standardised approach to data and baselining. Instigated a DoPE meeting which aims to bridge the gap between officers and strategic level engagement, with supplementary support in the form of Dr John Hindley (TwelveTrees consulting) up to November 20. This will be reviewed again in October 20.

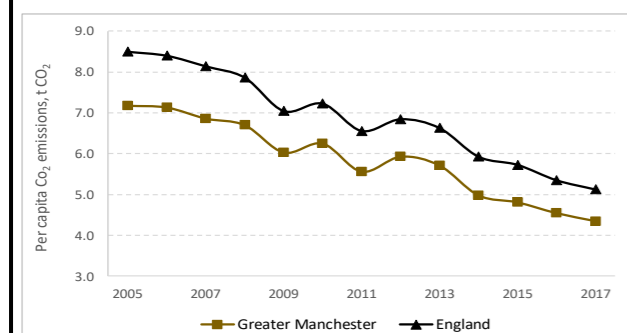
GMS/5-Year Environment Plan Performance Overview

Greater Manchester Strategy (GMS) Performance (NB: GMS is currently undergoing a refresh)			
Ref	Key Targets (2020)	Status	Commentary
5.7	Continue to reduce harmful emissions from transport sector. By 2020 GM to have reduced Co2 emissions to 11mt.	↓ Amber	Further work underway to ensure GM Clear Air Plan can achieve 2020 target for performance. An informal 'clean air conversation' has taken place, and a public consultation is to be launched.
7.1	Have co-produced a pathway for the next 5 years setting out actions to achieve an accelerated date for carbon neutrality.	↑ Green	GM now has the first city-region level science based target and pathway.
7.2	Accelerated deployment of energy generation/efficiency technologies.	↔ Amber	Progress is being made however GM currently has less than 50% of the UK average renewable energy installed, so further acceleration is still needed.
7.3	Develop mechanisms to encourage the retrofit of public, commercial and domestic buildings.	↑ Green	On track to achieve 2020 action.
7.4	Influence consumer behaviour/choice to achieve 60% recycling by 2025 and 90% diversion from landfill by 2020.	↑ Amber	Landfill diversion rate is on track to exceed the 2020 target; current diversion is 94%. Current household waste recycling rate is 48% (unverified data for 2018/19). Measures are underway to increase recycling rates at HWRCs & household kerbside recycling to deliver against 2025 target.
7.5	Ensure the 2040 Transport Strategy – and wider transport investment – is fully aligned with our carbon neutral ambitions.	↔ Amber	On track to achieve 2020 action.
7.6	Deliver the Urban Pioneer programme as part of Defra's 25 year Environment Plan to become an exemplar in managing the urban environment.	↔ Green	On track to achieve 2020 action.

5-Year Environment Plan			
Ref	Priorities (2024)	Status	Progression towards targets
Overall	For our city region to be carbon neutral by 2038 and meet carbon budgets that comply with international commitments.	↔ Amber	GM emissions data for 2017: 12,165 kt CO2, down 469 kt (-3.7%) compared to 2016 (12,634 kt). Reduction is slightly lower than that between 2015 and 2016, when emissions were down 604 kt or -4.6% over the year. GM is slightly behind the anticipated trajectory towards the 2020 GMS target, which has been revised to align with the ambitious trajectory in the GM 5-Year Environment Plan.
Energy	Reduce CO2 emissions that are produced by the energy we generate to power our buildings, transport and heat - shifting to renewable sources.	↔ Green	132 MW of renewable capacity generated in March 2019, 5MW higher than in June 2018 and 11% progression towards target. NOTE: Due to the closure of the Feed-in-Tariff in March 2019, there will be no further releases of data. • 82 MW of GM accredited renewable heat sources generated up to May 2020 (non-domestic only, no change from Jan-20).
Buildings	Reduce CO2 emissions produced by excessive use of energy particularly in heating our homes and commercial and public buildings.	↑ Amber	Reporting on retrofit measures to reduce heat loss by 57% in homes will come from ERDF projects and self-reporting from stakeholders. • 86.9% of GM lodgements have an energy efficiency rating of D or above (EPC/DEC) in Q2 2019. This is a slight decrease from Q2 2018 of 0.7%. Overall we outperformed the national average by more than three percentage points in the Q2 2018 data.
SCP	Promote economic and resource productivity, eliminate waste and increase business opportunities through innovation.	↔ Amber	Refill pilot launched in Bury and Tameside. 'Grab your Cup' pilot launched in Jan 2020. 20% progression towards 5-year re-use target (3 per year). • Increase of 40.53kg/household of residual waste from 2017/18 to 2018/19. • Recycling rate (2018/19) is 47.9% up 0.8% from 2017/18 against a target of 55% for 2024. Landfill diversion rate (2018/19) is 94%.
Natural Env.	Protect, maintain and enhance our key natural assets (air, land, water and biodiversity).	↑ Amber	2019/2020 target of 100,000 trees to be planted with 1 million by 2024. Currently at 459,929 trees planted against 1 million target by 2024. • 47km of water body enhanced in 2016-2018. Target of 542km by 2027. • NOTE: 2018/19 was last reporting year of MENE. To be replaced with People and Nature survey from 2020/21. Experimental UK statistics available at :https://www.gov.uk/government/statistics/the-people-and-nature-survey-for-england-monthly-interim-indicators-for-may-2020-experimental-statistics. Currently investigating additional sampling for GM.
Climate Change	Deliver robust action on climate adaption to protect vulnerable communities, our economy, key infrastructure and our natural environment.	↔ Green	Indicators to be confirmed as part of the IGNITION project and Resilience Strategy.
Transport	Improve our air quality and reduce CO2 emissions that are produced by the way we, and the goods we use, travel within our city region.	↑ Green	Current ratio of journeys made by car vs sustainable modes of transport is 39/61 against a target of 50/50 for 2040. • 28.5% of all trips made by cycling/walking in 2017/18 up from 27% in 2015/16. • 4,951 plug-in vehicles registered at end Q1 2020, 20% increase from Q2 2019. • 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 (-). • 3 zero emission buses in TfGM fleet to-date. Stagecoach deployed first of 32 full EV double deck buses. • 150+ buses retrofitted to date through Clean Bus Technology Fund. Full reporting to be aligned with Clean Air Plan. • Refreshed working draft of GM Freight Strategy has been developed which will be used to provide a key building block in developing a costed roadmap for reducing freight emissions.

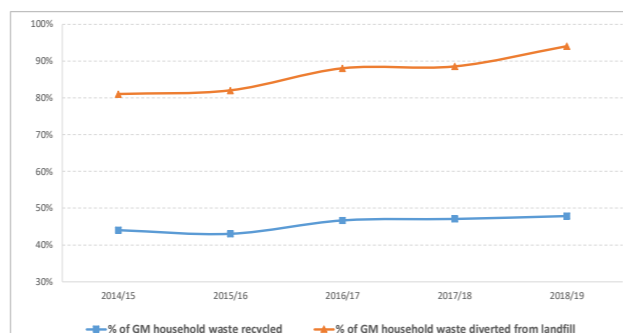
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Carbon emissions - per capita emissions



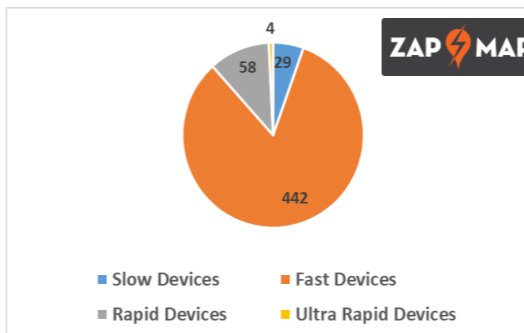
Source: UK LA and regional CO2e emissions national statistics: 2005-2017
https://www.gov.uk/government/collections/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics

Waste and recycling diverted (excludes Wigan)



Source: Greater Manchester Waste Disposal Authority

GM EV Device Count as at 13/07/2020



Source: zap-map.com

Supporting indicators

- ↔ 82 MW of GM accredited renewable heat sources generated up to Jan 2020 (non-domestic only, no change from Nov-19).
- ↑ 86.9% of GM lodgements have an energy efficiency rating of D or above (EPC/DEC) in Q2 2019. This is a slight decrease from Q2 2018 of 0.7%.
- ↑ 4,951 plug-in vehicles registered at end Q1 2020. Increase of 51% from 2018.
- ↑ 150+ buses retrofitted to date through clean bus technology fund
- 459,929 trees planted in GM since 2016
- 32 full EV buses deployed by Stagecoach

Environment Team Updates

Key Achievements/Updates Qtr. 1 (Apr-Jun 2020)		Key Work Programme Milestones Qtr. 2 (Jul-Sept 2020)	
Energy	<ul style="list-style-type: none"> Local Area Energy Planning project delayed further due to COVID related matters. Decision to repeat/expand Solar PV offer is pending completion of the initial programme of activity which has been delayed due to COVID and the inability for contractors to enter homes. Decision was taken not to make a submission to a national ERDF call as this funding was repurposed for Covid related activity. DEEP programme has identified 41 projects and 9 focus areas for phase 2 outline business cases. Soft market test commenced in June to review a cross section of LA sites for renewable energy projects. This will focus on gathering market intelligence on capex, partner and lease approaches to renewable deployment. A review of existing onshore wind analysis is to be updated, commencing in June 2020. ETR and more specifically the Energy Innovation Agency concept has been shared with innovation board receiving broad support. Soft market test is underway with 4 organisations to understand the differing approaches to overcoming technical and funding challenges to the deployment of low carbon heating alternatives in buildings. Revised draft of the Hydrogen Strategy is pending the sharing of a ENWL / Cadent Navigant report. GM Energy Company tender on hold/review. ENW Network Management System (NMS) programme has been pushed back a few months to Autumn of this year, but otherwise ENW remains on track to deliver the rest of the SMART Grid transition programme and is committed to delivering the Active Network Management (ANM) platform in Summer 2021. 	Energy	<ul style="list-style-type: none"> Commence Local Area Energy Planning project - expected start date July 2020. Anticipate completion of current programme of Solar PV activity and make informed decision on a 2nd phase. DEEP phase1 final report due July 20 with a decision on phase 2 funding due there after. Soft market test update due August 2020 for LA renewable energy generation project. Review of onshore wind analysis due to be completed in August 20. Outline business case for Energy Innovation Agency due by September 2020. Soft market test detail on low carbon heating deployment due back in August 2020. Revise Hydrogen Strategy inclusive of wider industry feedback.
Buildings	<ul style="list-style-type: none"> GM response to Environment Audit committee consultation included a paragraph on RAB. The LEAP service was suspended in March due to lockdown. Discussions are continuing with Ofgem as regards restarting the service and Groundwork has continued to provide over the phone support to households in the interim period. STEP-IN: iteration 2 (of 3) concluded in February prior to lockdown. Alternative plans have been put in place for iteration 3, which will be held virtually, rather than using on-site visits. GM housing stock data baseline on track to be developed by Summer 2020 with final project outputs expected by January 2021. For new build, Currie & Brown report for GMSF has provided minimum standards. This is complete and will be considered within policy approach. Retrofit accelerator tender is due to be released to gain consumer and demographic insight across GM, to understand what form of retrofit proposition they would respond to. This will be utilised to compliment the retrofit/stock condition modelling in order to propose a retrofit accelerator proposition to the GM market. Additionally, the GM skills team are producing a Skills Action Plan to support the varying areas of retrofit. Soft market testing taking place as part of DoPE to assess potential projects for the top 100 consuming buildings across GM. Individual interviews have taken place with each LA. DEEP work to assess low carbon heat potential is ongoing. 	Buildings	<ul style="list-style-type: none"> Develop common position on RAB with ENWL Sustainability Group. Retrofit accelerator tender to be issued and awarded. DoPE soft market testing to be completed by August 2020. Follow up required on renewable tariffs and this will be requested at the next DoPE. Renewable energy tariff as is position to be established by July 2020 (across all LAs) Follow up to be made with Daryl Quantz and John Hindley on operational performance monitoring including sustainability indicators in building reviews.
SCP	<ul style="list-style-type: none"> During Oct 19 to Mar 20, 69 SMEs have been supported to reduce resource consumption saving 2,159t CO2e/ea, the 38 grants issued leveraged £148kk of private investment, with a further 106 companies supported in Low Carbon Sector. Development of Carbon financial calculator (Stockport-led) is currently delayed due to Covid-19. H2020 bid with MMU on 'Food Living Lab' was unsuccessful. Potential for GM food procurement facilitation bid in SBRI fund. GM to be a case study region in shortlisted UoM £4.2M bid on interdisciplinary circular economy centre focusing on the built environment (housing and infrastructure). (CircBE) Discussions with Districts on the roll-out of external Refill water stations has been postponed due to Covid-19 with concerns raised over health and safe use of fountains. Guidance on safely offering water refills at refill stations due to be circulated by City to Sea in July 2020. Plastics consultation to Tourism and Hospitality sector is currently delayed due to Covid-19. LA single-use plastic spend review on catering consumables and disposables has been commissioned and first meeting held with HoP. Plastic/glass ready reckoner to inform decision making is currently delayed due to Covid-19. Work is now progressing with Suez to open 3 re-use hubs at GM HWRCs by March 2021. Initial meeting held with UoM to agree methodology of CE resource flow mapping. Three approaches have been shortlisted. A draft survey is being developed for GM organisations to inform decision. Consultants finalising the last stages of the food waste collection modelling (focused on treatment) and applying some sensitivities. The outputs will inform GMCA's response to the UK Gov consultation on consistent collections. Covers household arisings but will touch on commercial arisings in passing. Due to recent increased contamination in waste streams R4GM campaigns will now focus on reducing contamination (paper and card) and promotion of home composting. Progression with GM food strategy and vision delayed due to Covid-19. 	SCP	<ul style="list-style-type: none"> Complete desktop study on potential areas of focus for local taxation levers. Growth Company to continue support for partners in delivery of resource efficiency, eco-innovation and low carbon sector programmes. Investigate with the Better Drinking Company to see if water refill stations can be adapted for contactless use. Gather advice from Public Health England and City to Sea. Explore 'reusables on the menu' campaign with National Refill to be launched summer 2020. Supplier mapping on the purchasing of single-use plastics (catering) and data gathering across LAs to commence. Work to commence with Carbon Literacy project on adapting generic LA carbon literacy course for procurement people. Finalise indicative survey questions for resource mapping and commence contact with initial cohort of 10-15 large cross-sector organisations in GM to inform approach for mapping of resource flows. R4GM to launch contamination campaign with a focus on back to basics. E.g. right stuff right bin. Final report on food waste modelling to be presented to SOG. Launch home composting campaign in July 2020. GM Food Board to reconvene in late July 2020 to review food strategy in light of Covid-19.
Natural Env.	<ul style="list-style-type: none"> LWT confirmed as Defra ELMS pilot with funding to develop and test Nature Recovery Network. Update presentation delivered to NCG meeting in June. Update of Natural Environment Toolkit to ensure Covid appropriate. Developing evaluation survey to engage with LAs and partners on uptake of natural capital tools including how they have been used and if they haven't why not and what further support is needed. Continue to promote My Wild Garden booklet/flier and nature engagement survey. Natural England submitted final draft report on GM Peatland Restoration Pilot to DEFRA and wider social barriers report completed. Consultant to deliver GM micro plastics study selected and draft contract prepared. City of Trees re-commenced on-site work at Dales Brow, Swinton, to mitigate water quality and quantity issues. On-going advice to waterside development projects as part of GM River Ecology Action. Second workshop not able to take place because of furlough arrangements. Update BNG action plan. Delivery of new governance arrangements including NRN and BNG task and finish groups. Groundtruthing' to assess viability of sites for the waste water banding charge reduction funding stream (FS1) delayed by lockdown restrictions. FS1 desktop assessments progressed though impacted by partner furloughing. Baseline report on GM's urban green infrastructure produced along with an evidence base of NBS benefits. Investigation of value propositions continued, aimed at developing additional innovative funding streams. Tenders for an NBS Living Lab at UoS completed, however works delayed by campus closure due to COVID. EF continuing to support the development of the GMEF including potential habitat banking and carbon trading pilots. LWT appointed as Charitable Partner to set up and manage the fund. Stakeholder engagement carried out with feedback being used to inform Investment Strategy. Env Fund partnership opportunity awarded to Lancashire Wildlife Trust (LWT) a month behind schedule due to Covid-19. Fund is progressing with LWT's involvement whilst joint agreement is drafted. Environmental Finance and LWT working together to finalise GMEF investment strategy and secure funding streams and pilot projects. 	Natural Env.	<ul style="list-style-type: none"> GMEU to develop Nature Recovery Network and further meetings of Task and Finish Group to take place. Release of Natural Environment Toolkit resources. Launch of film at Green Summit. Carry out evaluation survey to engage with LAs and partners on uptake of natural capital tools including how they have been used and if they haven't why not and what further support is needed. Continue to promote My Wild Garden booklet/flier and disseminate results from nature engagement survey. National report on 5 Peatland Restoration Pilots to be considered by steering group. Respond to national policy discussion around development of England Peat Strategy. Agree next steps for GM Peatland Restoration Pilot. Finalise contract for commission of research into sources of microplastics contamination of rivers in GM. Agree programme of work for next phase of activity to improve fish passage on tributaries of the River Croal in Bolton. Start work on next phase of Moston Brook and GM water governance projects. Revise plans for second River Croal workshop. Environment Agency to finalise ITT for consultants to produce River Irk Action Plan. Continue to support LAs in developing BNG policies and determining applications including use of guidance. Progress 'groundtruthing' of potential FS1 sites to assess the scale and viability of the funding stream, with a view to producing a business case. Develop a (virtual) schools engagement programme to develop awareness of climate adaptation and NBS. Review progress on the value propositions and allocate resources for further development if business model(s) deemed viable. Commence installation of the Living Lab. Delivery of online webinar to update on proposals. Development of Investment Strategy. Launch of the GMEF as part of Green Summit. Partner to establish GMEF as a legal entity. Partnership agreement to drafted and signed by GMCA and LWT. Communications and promotion of Fund to begin.
Climate Change	<ul style="list-style-type: none"> The draft GM Resilience Strategy is currently being reviewed in light of Covid-19, and the one-year living with Covid plan is currently being drafted by the GM Covid-19 Recovery Coordinating Group. Dependent on any further response activity a draft will be circulated in September 2020. Brief for GIS mapping complete. Discussion ongoing internally to see how this complements wider IGNITION work and the DWMP portal that UU are progressing. Baseline evidence for Strategic Flood Risk Assessment being finalised. Once finished this will inform next iteration of GMSF policy. Scope for potential supplementary guidance on SUDs supported by IGNITION. Environment Agency reviewing future programme for flood risk schemes to be included in the next cycle (2021/22 - 2027/28). Work on remaining capital schemes ongoing. 	Climate Change	<ul style="list-style-type: none"> Circulate GM Resilience Strategy draft in September 2020. Identify resource to progress with GIS mapping/analysis. Finalise critical drainage area evidence and remaining flood assessments for the allocations. Pipeline to be updated on future programme for flood risk schemes.
Transport	<ul style="list-style-type: none"> CYCLOPS junction complete. Active neighbourhoods project and construction of 2 further MCF funded projects commenced. Bee Network Wayfinding package submitted to DfT for approval. Zebra trials project paused due to Covid. GM Local Authorities will commence a public consultation on GM Clean Air Plan once there is a clear timeframe for exiting lockdown and moving to the next phase of the COVID-19 response. Due to COVID-19 the implementation of a GM Clean Air Zone (CAZ) is delayed to 2022, however work continues on the preparatory implementation and contract arrangements to deliver the CAZ and other GM CAP measures. Be.EV brand launched on 19 June via press release and www.be-ev.co.uk Gov feedback is that EV Infrastructure is not required for NOx compliance and not supported by implementation fund monies. (Gov agreed to work with TfGM on securing alternative funding). EV charging demand forecasting undertaken for GM up to 2030 EV Infrastructure project identified 63 locations with LAs to accommodate 300 charging devices with outline design and costs (funding to be agreed with government) EVI Taxi project case for measure and delivery plan developed to deliver 40 rapid charging devices, site selection process commencing and planning to engage stakeholders. Early Measures Project - 24 rapid charging devices with detailed design and costings submitted to TfGM for public host sites • Taxi 'Try before you Buy' proposal scoped. EVCI Contract press release announcement made 19 June 2020. Locations identified for 30 OLEV charging points for Taxi/PHV trade. To support the upgrade of LA fleet to EVs, Amey (Charging network contractor) has worked with LAs to determine the best location and suitability of power supplies for EV charging points at LA depots. MCC waste contractor ordered 27 electric waste disposal vehicles on behalf of MCC. Formal Operator and Supplier engagement on Electric Buses has been postponed due to COVID-19. 150+ buses retrofitted to date through Clean Bus Technology Fund (CBTF). £15.4m received from JAQU on Clean Bus Fund (CBF) and first draft of delivery plan submitted to JAQU. Refreshed working draft of GM Freight Strategy which includes strong reference critical importance of environmental issues, and outline of how policy can assist with freight-related emissions targets. 	Transport	<ul style="list-style-type: none"> GM bike hire to complete first stage of tender process. GM crossings package to complete full business case. Further Challenge fund development costs and business cases approved with more schemes started on site. GM Local Authorities agree to move to a statutory public consultation on GM Clean Air Plan. Undertake preparatory procurement arrangements with potential suppliers on behalf of the GM Authorities on CAZ and CAP measures to final evaluation. A report will be provided to GM Authorities for decision on award of contracts to the successful supplier(s). Be.EV membership scheme and pay as you charge model scheduled for launch in Sept 2020. EV strategy drafted. EV Infrastructure project funding agreed with government. EVI Taxi project locations identified to locate 40 to meet Taxi / PHV trade needs. Early Measures Project - 24 rapid charging devices at detailed design with a number of schemes installed and operational Commence engagement with Taxi trade on potential OLEV charging sites. Installation of the first charging points at LA depots. Salford council have committed to 12 EV vehicles that are imminent and infrastructure installed. GM to secure funding from the £5 billion of new funding for buses and cycling announced in the March budget. (Budget 2020 suggested c.£2 billion/4,000 zero-carbon buses nationally). Resume formal Operator and Supplier engagement on Electric buses. CBTF - Works planned until December. Agreement required on unallocated funding CBF - Submit final business case documents to JAQU. Gain District and Stakeholder feedback on draft GM Freight Strategy and use to provide a key building block in developing a costed roadmap for reducing freight emissions.
Communications	<ul style="list-style-type: none"> Challenge Group meetings taken place via zoom with presentations on progress from all Task and Finish groups: Behaviour Change, Ambassador and Talent, Case Studies and Key Messages. Challenge Group work progressing with key messages being reviewed for post-pandemic environment. Green City Region narrative signed-off after post-pandemic review. Work commenced on new Green City Region (external) website. Approval gained via Challenge Group Chair to use the 'Green Bee' as a Green City emblem. Big Clean switch action paused, requires review and integration within key messages. Carbon Literacy course currently being reviewed with the view to moving to a blended learning experience (self-learning and online workshop). Potential to trial with emergency services colleagues at GMP funded as part of BEIS pilot. Plans progressing on virtual Green Summit 'week' taking place 21st - 24th September 2020. All themes covered cumulating on final day with Building Back Better. Event to ensure youth participation and cross-generational messaging and sessions. (See separate report for further details). 	Communications	<ul style="list-style-type: none"> Key messages agreed in line with advice from Behaviour Change Task and Finish group. Ambassador list increased. Case Study work commenced. New Green City Region website developed and launched with open invite for content contributors. Finalise plans for virtual Green Summit. Online suitable Carbon Literacy course to be developed and paper progressed to SMT for review.

GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **CHALLENGE GROUP PROGRESS UPDATE**

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

PURPOSE OF 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 provides an updated overview of the Challenge Group priorities and how these are being delivered through Task and Finish Groups.

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.

CONTACT OFFICERS:

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

1.0 BACKGROUND

The 5YEP Challenge Groups have now all met at least five times and have established key priority areas to be addressed by the Task and Finish Groups. 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** 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. The group is working with the GMCA Comms team to create a joined up narrative which gives sensitive consideration to the environment post-Covid messaging.
- **Case Studies** group will ensure we have powerful stories which appeal to our target audiences. Challenge group members have started to feed in case studies and a framework is being agreed for recording and collation. Partner case studies will be featured on the new Green City Region website (due for launch September 2020) and represent the broad range of environmental work carried out across the region making an impact on the Five Year Environment Plan.
- **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 behavior 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.
- **Covid-19 key messages** sub group has been set up to discuss some of the urgent messaging regarding Covid-19 recovery and how the messaging will be executed.

3.0 ENERGY INNOVATION

- **Energy Transition Region (ETR) and Energy Innovation Agency (EIA)**, led by SSE Enterprise has presented to the Strategic Innovation Board, 5yr Environment Forum amongst others. The Energy Innovation Agency concept outline business case is progressing and on track for September. When complete, the EIA concept will provide the governance framework and act as the gate keeper at the center of an Energy Transition Region.

- **Heat Pump Accelerator** has now met, developed and provided via Evergreen Energy and Clean Air Solutions an Assignment of Rights proposal, while also feeding into the wider skills action plan.
- **Decarbonised Heat assessment** led by Aecom and funded by BEIS has identified 37 heat related schemes which each need to be deployed to meet our ambition of carbon neutrality by 2038. The report is currently with BEIS for formal sign off, but we are hopeful this will lead to a phase 2 project to create outline business cases for several of these schemes.
- **Solar PV** activity led by Northwest Energy Hub and GMCA. Currently we have 21.4 MW of solar PV at either feasibility or outline business case which has led to a recently completed a solar PV soft market test to understand the markets view of building and car park (solar car ports) from a capex, partner and PPA lease approach. Over 20 organisations ranging from SME's to larger corporate developers have responded, covering all of the identified buildings and carparks. This is currently being reviewed and an anonymised summary will be shared at the forthcoming challenge group, with a more detailed site by site approach being provided to all of the asset owners involved.

4.0 LOW CARBON BUILDINGS

- **Retrofit Accelerator (RFA)** led by Salford University, has developed the concept outlined in the Retrofit Strategy. The 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 modeling. Subject to the combined findings, due in October, a further phase of development and delivery will be considered. The RFA proposal provides the umbrella for wider task and finish groups, bringing these together to form individual work packages within the RFA.
- **Skills** led by GMCA, supported by Growth Co and CITB completed a skills workshop with challenge Group members, providing a gap analysis and identifying areas of focus across retrofit. A skills action plan is now being drafted to support the regions wider aspirations,
- **Public Buildings** led by GMCA has commenced a soft market test with 4 organisations to understand the differing approaches to large scale public retrofit across the public estate including all 10 districts, GM Fire and GMP. Please note that TFGM have already completed a separate investment grade audit of number of the own buildings.

5.0 NATURAL ENVIRONMENT

- **GM Tree & Woodland Strategy (All our Trees)** led by City of Trees officially launched on May 12th. City of Trees, along with other Community Forests, has submitted a bid to DEFRA for funding from the Nature for Climate Fund. If successful this will support up to 1000 hectares of new tree planting in GM. City of Trees continue to deliver tree planting

across GM as part of the Urban Tree Challenge. The programme was halted owing to the Covid-19 lockdown. The majority of the planting will be completed in July.

- **DEFRA GM Peatland Restoration Pilot** led by Natural England and GMCA has submitted a draft final report to DEFRA and is awaiting feedback. Headline messages are poor management of peat and unsuitable land uses causing emissions of well over 200,000 t CO₂-e yr⁻¹. Wildfires are addressed in the report through a Winter Hill case study. Following feedback from DEFRA, a series of update discussions with partners and stakeholders will run during July.
- **Natural Course** led by EA/GMCA is developing an evaluation survey to understand the take up of natural capital tools including accounts and ecosystem services opportunity mapping. Contract to research micro plastic contamination of rivers in GM will be finalized in July 2020. Provision of ecological and Water Framework Directive advice to waterside developments continues through River Ecology Project.
- **Biodiversity Net Gain**, led by Natural England, has set up a revised governance structure to embed the group within GMCA planning governance. A revised action plan for delivery, work-strand prioritization, a flow chart for BNG process and case studies have been developed. GMEU is now requiring BNG as part of development applications with positive feedback. Decision taken to aim for 10% BNG in-line with draft Environment Bill.
- **Nature Recovery Network** Task and Finish Group has been set up to support delivery. Lancashire Wildlife Trust was successful in securing Defra funding for developing an NRN as part of a test for the Environmental Land Management System. Partners (LWT, GMCA, GMEU, NE) are working to scope the work required to deliver an NRN and how this fits with provisions in the government's Environment Bill.
- **GM Environment Fund** – following a procurement exercise in the spring, GMCA is working with Lancashire Wildlife Trust to enter into a partnership to deliver the Environment Fund. Work by Environmental Finance on developing models for habitat banking and carbon trading continues including stakeholder engagement and development of an investment strategy.
- **IGNITION** work packages are progressing but have been impacted by COVID-19 lockdown: a GI baseline has been produced and an evidence base of NBS benefits, ground-truthing of Funding Stream 1 sites was delayed by restrictions and will now progress virtually with support by the technical consultant, procurement is live for a financial consultant, and construction is due to start on the first phase of the Living Lab at the University of Salford.
- **Environment Vision** – the launch of the Natural Environment Toolkit in March was delayed due to COVID-19. The film will now be launched at Green Summit in September, with a social media campaign in the lead up including release of a series of animations and stills. Work is ongoing to support dissemination of the joint GMCA/LWT My Wild Garden campaign, encouraging new sign ups in addition to the 797 sign ups, by 15th June. Overall target of 5000. Virtual Manchester Festival of Nature held 28th June.

- **Urban Pioneer** led by EA has produced the final output of the impact analysis work and lessons learned. These outputs conclude the Urban Pioneer Programme which officially ended on March 31st 2020. The local EA team are also now reviewing the lessons learned to understand how they can evolve to adopt these lessons. This group will now be closed.
- **Social prescribing** Task and Finish group has been established to bring together partners with an interest in developing GM's natural environment social prescribing model. Scope of the group was signed off at the NCG at its last meeting.

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. The last meeting of the SCP challenge group focused on embedding circular economy and climate change ambitions within procurement.
- **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.
- **Food** - work to look at supply chains is about to commence with STaR and AGMA Procurement to explore procurement avenues within catering and schools.
- **Circular Economy resource flow mapping** has commenced with University of Manchester to capture material flows within the City Region.

7.0 SYEP IMPLEMENTATION FORUM

- **Covid 19 Recovery Plan (Environment Theme)** – reviewed and commented upon the draft Action Plan. Questioned how/whether the other themes of the wider GM Recovery Plan were being assessed for their environmental impact.
- **Review of Challenge Group Activity** – received presentations and provided feedback on:
 - Energy Innovation Agency
 - GM Environment Fund
- **Green Summit** – provided initial views on the structure and format of the proposed Green Summit for September 2020

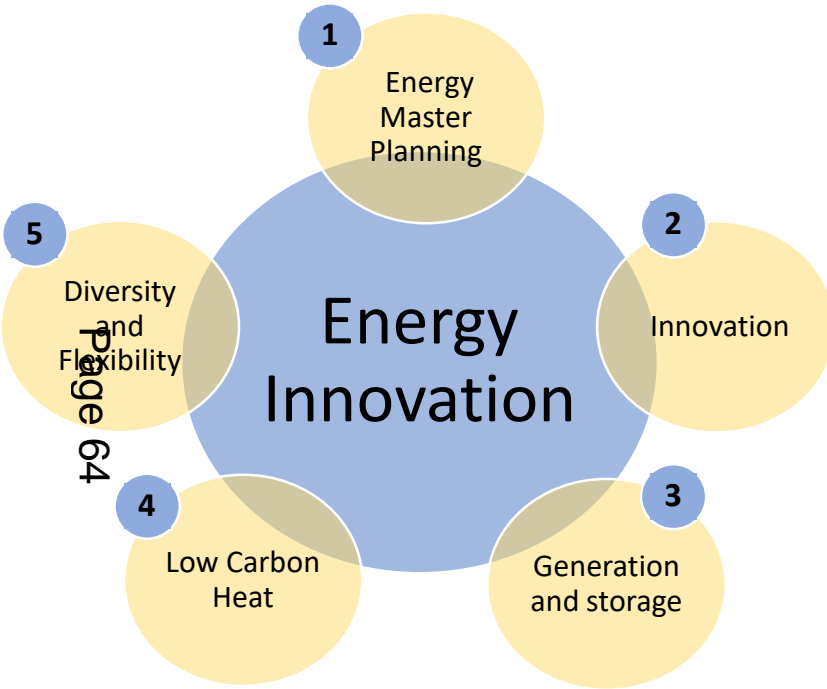
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Mission Based Approach

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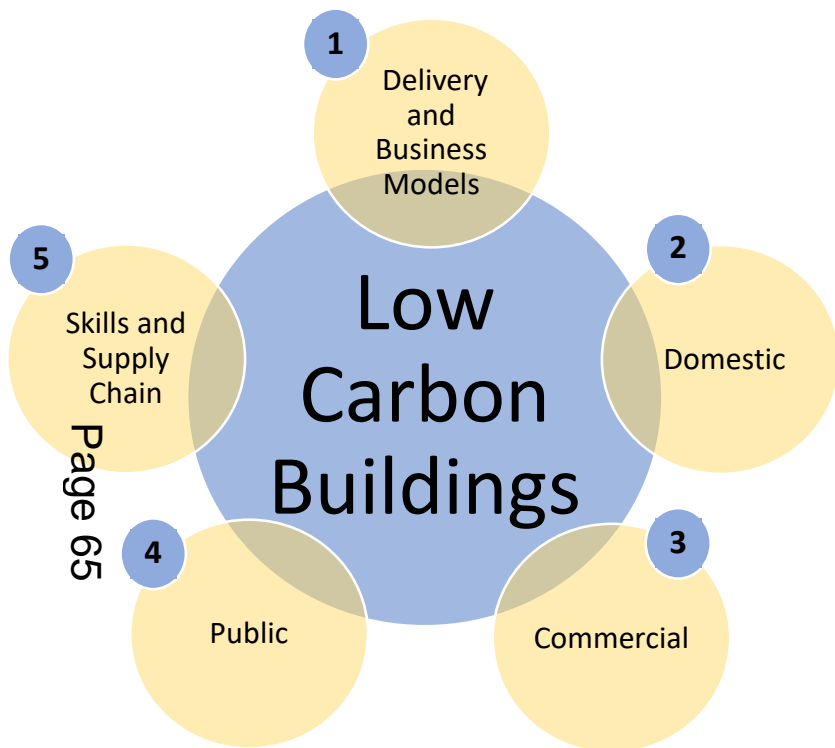


Challenge Group – Energy Innovation Priorities and T&F Action Groups



Tasks	Description of Deliverable / Task	Lead	Funding	Delivery Method	Stage
1	LEM local area energy planning	GMCA	UKRI	Steering Group	Research/Development
2	Innovation Agency (part of Energy Transition Region)	Universities	Bid	Task and Finish	Development
2	Scope and deliver innovative finance mechanisms	GMCA	Local	Contract	Research/Development
3	Go Neutral 2 (land, buildings, carparks)	NW Energy Hub	Local	Contract	Research/Development
3	GM wide Solar PV Offer	GMCA	Local	Contract	Research/Development
3	Solar PV Offer (business)	Growth Company	TBC	Task and Finish	Research/Development
3	ERDF Solar Energy Projects x4	ESC	Local	External	Delivery
4	Review decarbonised heating (phase 1)	AECOM	National	Contract	Development
4	GM Hydrogen Strategy	MMU	Local	Task and Finish	Research/Development
4	Heat Pump Accelerator	Evergreen	External	Task and Finish	Development/Delivery
5	LEM – New Services	GMCA	UKRI	Steering Group	Development/Delivery
5	LEM – Digital Optimisation	GMCA	UKRI	Steering Group	Development/Delivery

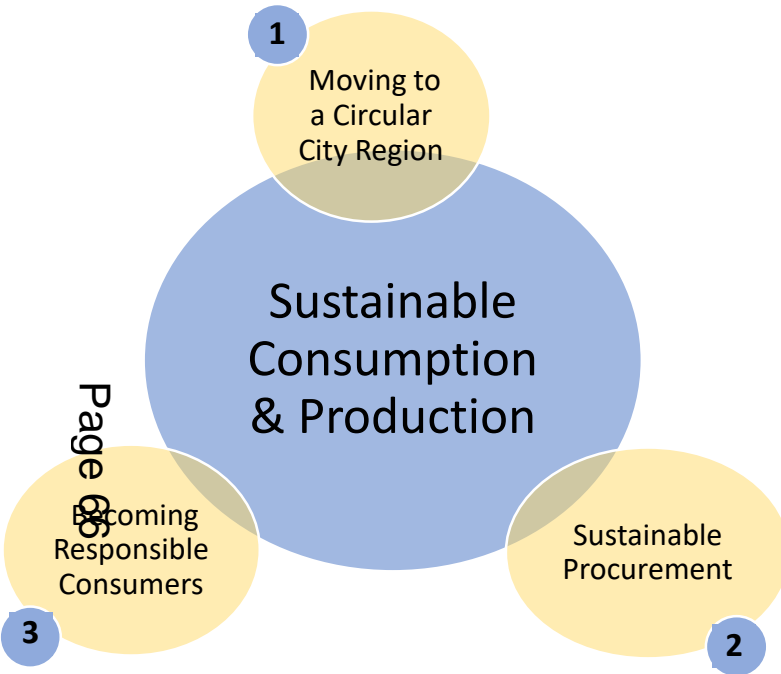
Challenge Group – Low Carbon Buildings Priorities and T&F Action Groups



Tasks	Description of Deliverable / Task	Lead	Funding	Delivery Method	Stage
1	Develop Retrofit Accelerator (finance and skills)	Salford University	Bid	Task and Finish	Research/Development
2	ERDF Projects HAES	Procure Plus	ERDF	Task and Finish	Research/Development
2	Accelerator Cities	UKGBC	Local	Task and Finish	Research/Development
2	Research into carbon neutral standards for new build and retrofit	GMCA	GMCA/LGA	contract	Research/Development
3	?				
4	LAs work to monitor, deliver and report on agreed targets for public buildings	DoPE	EU / National / Local	Task and Finish	Research/Development
4	Procure renewable energy tariff	GMCA	EU / National / Local	Task and Finish	Delivery
4	Assess data and undertake soft market testing of public buildings	DoPE	EU / National / Local	Task and Finish	Research/Development
5	Understand future skills needs and opportunities.	GMCA	TBC	Task and Finish	Research/Development

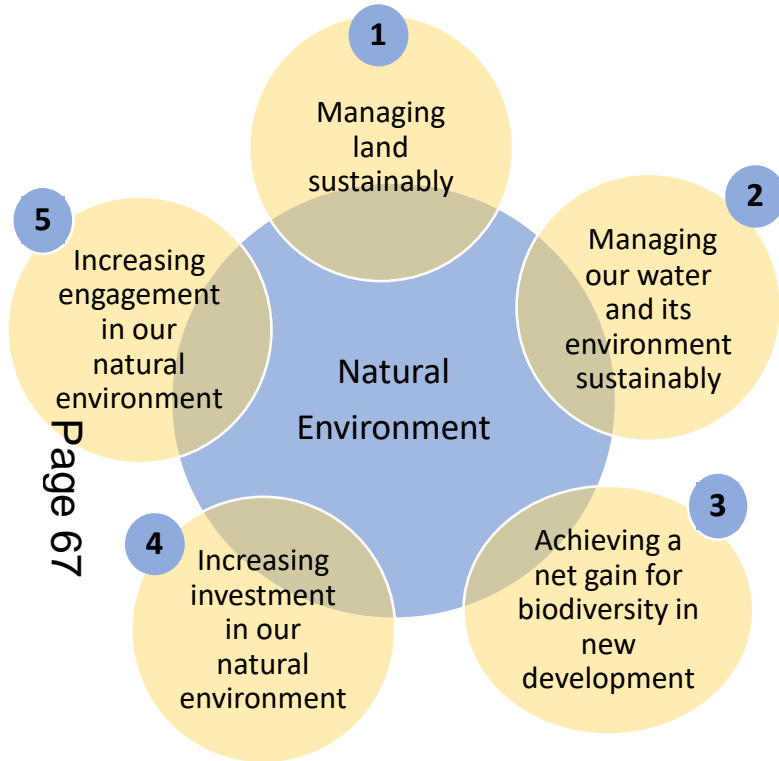
Challenge Group – SCP

Priorities and T&F Action Groups



Tasks	Description of Deliverable / Task	Lead	Funding	Delivery Method	Stage
1	Develop SCP / Circular Economy Report	GMCA	Core	Task and Finish	Research
1	Resource flows to move towards a circular city region	UoM	TBC	Task and Finish	Research
1	Business support programme for energy efficiency and eco-innovation	Growth Co	ERDF	Growth co	Delivery
1	Research projects – Reduces, RE3, construction etc.	Universities	TBC	Various	Research/Development
1	Sustainable Food solutions	GMCA	TBC	Various	Research/Development
2	Sustainable procurement models into public sector procurement and policy	GMCA/LAs	TBC	Task and Finish	Development
2	Refresh Social Value Framework	GMCA	Core	GMCA	Development
2	Collective Procurement in Waste Management (Commercial)	GMCA	TBC	Various	Research
2	Sustainable Food procurement	GMCA	TBC	Task and Finish	Development
3	Behaviour Change Campaigns	GMCA	TBC	Task and Finish	Research/Development
3	Behaviour Change – Personas	GMCA	TBC	Task and Finish	Research/Development

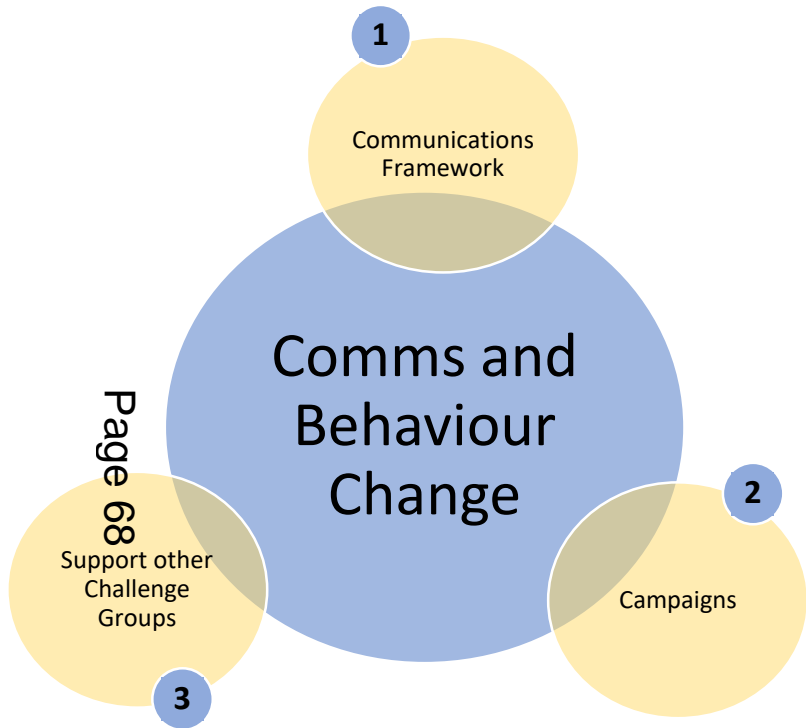
Challenge Group – Natural Environment Priorities and T&F Action Groups



Tasks	Description of Deliverable / Task	Lead	Delivery Method	Stage
1	Complete Peatland Restoration Pilot	NE	Task and Finish	Research/Development
1	Develop and support delivery of the Tree and Woodland Strategy	CoT	Task and Finish	Policy/Strategy
2	Complete Natural Course Project	EA	Steering Group	Delivery
3	Biodiversity Net Gain Implementation (GMSF)	NE	Task and Finish	Delivery
3	Develop and adopt plans for a Nature Recovery Network	NE	TBC	TBC
4	Investment in natural capital and climate adaptation, through IGNITION	GMCA	Steering Group	Delivery
4	Establish GM Environment Fund, and develop models for carbon trading and habitat banking	GMCA/ LWT (with EF)	Contracts	Policy/Strategy
5	Integrated Natural Capital Engagement Project	GMCA	Task and Finish	Delivery
5	Developing a natural environment social prescribing model	GMHSCP	Task and Finish	Research/Development
5	Complete Urban Pioneer & share learning	EA	Steering Group	Policy/Strategy

Challenge Group – Comms and Behaviour Change

Priorities and T&F Action Groups



Tasks	Description of Deliverable / Task	Lead	Funding	Delivery Method	Stage
1	Work with YCA to plan and deliver Green Summit	YCA	Local	Task and Finish	Delivery
2	Behaviour Change Campaign	CLT	Local	GMCA	Delivery
2	Deliver campaigns – Big Clean Switch, My Wild Garden (LWT)	GMCA	Local	Contract	Delivery
2	GM Moving (TfGM)	TfGM	?	?	Delivery
3	Roll out programme of carbon literacy	CLT	National	Steering Group	Delivery
3	Develop Natural Capital Vision and Toolkit	GMCA	EU	Task and Finish	Delivery
3	Green City Region Key Messages	BBC	TBC	Task and Finish	Development
3	Develop case studies to support key messages	GMCA	TBC	Task and Finish	Development
3	Talent and Ambassadors	GMCA/BBC	TBC	Task and Finish	Research/Development

5 YEP Priorities - Transport

Transport

To improve our air quality, meeting WHO guidelines on air quality by 2030 and supporting UK Govt in meeting and maintaining all thresholds for key air pollutants at the earliest date

Increase use of public transport and active travel

Increase the proportion of trips by sustainable modes

Take most polluting vehicles

Reducing the overall amount we travel

100% of all cars are zero emission by 2035

Phase out fossil fuel private vehicles

Up to 200,00 low carbon vehicles by 2024

Establish a zero emission bus fleet

100% or all buses are zero emission by 2035

Decarbonise Freight & shift to rail/water

Decarbonising freight transport and enabling more efficient freight practices

20/21 Q1	20/21 Q2	20/21 Q3	20/21 Q4	21/22	22/23
Implement mayors challenge fund for walking and cycling and Streets for all					
Develop GM Clean Air Plan					
Review 2040 delivery plan to reflect 2038 carbon neutrality target					
GM EV Infrastructure upgraded and expanded					
LAs - Procure zero emission vehicles, subject to suitability					
Engagement with Government re: their proposals for reducing carbon emissions from transport					
Develop roadmap to deliver a zero emission bus fleet					
Develop road map for reducing freight emissions					

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **ACHIEVING NET ZERO CARBON IN NEW DEVELOPMENT BY 2028, AN OVERVIEW OF THE EMERGING EVIDENCE TO SUPPORT THE GREATER MANCHESTER SPATIAL FRAMEWORK**

Report of: **GMCA Environment Team/Planning and Housing Team**

PURPOSE OF REPORT

To provide a short summary of the research undertaken by Currie & Brown/Centre for Sustainable Energy in support of the draft Greater Manchester Spatial Framework Policy for all new development to achieve 'Net Zero Carbon' by 2028.

RECOMMENDATIONS:

The Partnership is asked to:

- note and comment on the contents of the report.

CONTACT OFFICERS: Helen Telfer (helen.telfer@greatermanchester-ca.gov.uk)

1. BACKGROUND

1.1 The draft Greater Manchester Spatial Framework¹ (GMSF) included a policy (GMS-2, Carbon and Energy) that all new development will need to be Net Zero Carbon by 2028. In doing so the policy also stipulated that:

- Development should follow the energy hierarchy
- There should be an interim requirement that all new dwellings seek a 19% carbon reduction against Part L of the 2013 Building Regulations
- a minimum 20% reduction in carbon emissions (based on the dwelling emission or building emissions rates) through the use of on site or nearby renewable and / or low carbon technologies;

1.2 To provide certainty about the progression to net zero from this baseline, the viability of the approach and to inform future GMSF policy, Currie and Brown/Centre for Sustainable Energy were appointed to undertake further research.

2. KEY FINDINGS – POLICY APPROACH

2.1 The policy landscape in relation to Local Planning Authorities (LPAs) being able to set standards above national building regulations is currently confusing for a range of reasons:

- The Primary Legislations under the Planning and Energy Act 2008 which allows LPAs to set higher energy efficiency standards still remains even though Government has previously proposed this was to be removed (via Deregulation Act).
- Government consulted on the Future Homes Standard in 2020 which proposed a ‘ramping’ up of carbon reduction measures from 2020 (31%) and 2025 (80%).
- The supporting National Planning Practice Guidance stipulates that LPAs cannot require any higher than the Code for Sustainable Homes Level 4 (equivalent to 19% reduction on Part L 2013).
- There is evidence from other Local Plans that policies are getting through examination which already exceed national building regulations (E.g. London, Reading)

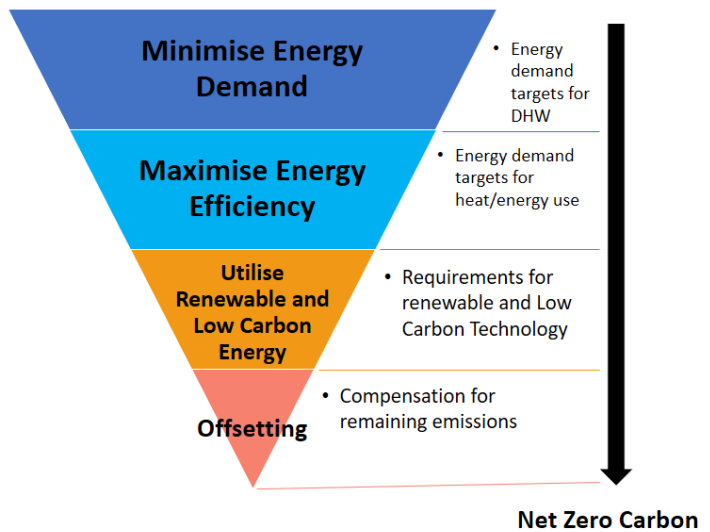
2.2 To ensure the policy approach is ‘future proofed’ it was recommended that this should be in alignment with the Future Homes standard when setting minimum carbon reduction targets.

2.3 The definition of Net Zero Carbon can be applied to ‘in construction’ and ‘operational’ as guided by the UK Green Building Council Framework² document. In both cases net zero is when the amount of carbon emissions associated with that activity are zero or negative. This is achieved by following the energy hierarchy, the utilization of renewables and with any remaining emissions offset. Operational emissions can be further broken down into ‘regulated’ (those covered by building regulations) and ‘unregulated’ (energy utilized by occupants). The scope of the work focused on operational net zero carbon up until 2028.

¹ <https://www.greatermanchester-ca.gov.uk/what-we-do/housing/greater-manchester-spatial-framework/gmsf-full-plan/>

² <https://www.ukgbc.org/ukgbc-work/net-zero-carbon-buildings-a-framework-definition/>

2.4 To achieve a truly sustainable energy system, the energy hierarchy should followed so that a fabric first approach is maintained. Without this future development would ultimately be over reliant on increased energy use and generation which in turn would produce a home which is expensive to operate. Within this offsetting has to be the last resort otherwise homes would require more expensive retrofit at a later date. This would further add to the challenges set out within the 5 Year Environment Plan which has a target to retrofit 61,000 home every year.



2.5 It is important that energy demand and carbon emissions are treated together. Setting only a carbon target, against Part L can lead to several undesirable knock on effects:

- It is not very clear as to where the carbon emission savings come from (fabric, installed services and/or energy generation).
- Carbon emissions are calculated based on the carbon intensity of the energy type required (gas, electricity or other). The carbon intensity of electricity is ever changing as the electricity grid decarbonises and therefore such targets become a moving target
- The comparison is conducted with a specific version of PartL1 A where minimum requirements also change every 5 years

The use of minimum standards for space heating demand, domestic hot water and renewable energy generation were advised as follows:

	2020	2025
Space Heating Demand	Houses (30kWh/m2), Flats (25kWh/m2)	Houses (20kWh/m2), Flats (15kWh/m2)
DHW	20% Reduction	20% Reduction
Renewable Energy Generation	PV Installation Min 20% ground floor space*	PV Installation Min 40% ground floor space*

**or equivalent through other technology approaches*

2.6 Due to the variability in non-domestic buildings type, size and use, introducing exact thresholds for heating, hot water generation and fixed services was not possible as part of the study. In terms of energy and carbon performances of new non-domestic building energy efficiency performance improvement over standard construction (%) is a common metric of describing improvement so the scope of the study considered the use of BREEAM ratings as a way to set this standard. The outcome being that for all carbon and energy credits that we should be seeking 'Excellent' ratings for that part of the credits, which relate to energy performance and emissions.

- 2.7 Building stock can suffer from a performance gap where the modelled energy performance of a building is lower than the operation of a building in use. This has created a gap in the market where building owners are unaware of this difference. Measures to address this include requirements for developers to produce sustainability assessments to outline how they intend to minimise the potential for this to happen as well as requirements for post occupancy evaluation. The draft London Plan Policy SI2³ requires major developments to monitor and report on energy performance for at least five years via an online portal, a similar approach could be followed across Greater Manchester.
- 2.8 There should be a clear distinction for the requirement to generate renewable energy rather than to require a % of the carbon emissions/demand to be from renewable energy technology. This is due to:
- The carbon intensity of the electrical grid will reduce over time so the policy approach becomes redundant when making it a proportion of the overall carbon reduction.
 - Without specific reference to energy generation, there is a risk that developments would defer to the use of heat pumps to satisfy this requirement. This would increase occupier costs, lead potential network issues and minimise any potential contribution for on-site energy generation.
- 2.9 The study recommended that when all electric solutions are considered, as in the case of heat pumps, special consideration is given to potential impact on running costs and affordability for occupiers. Electricity in comparison to gas currently costs more per unit. As the grid becomes more decarbonised and demand increases for electric it is hoped this will start to balance out. The Spatial Energy Plan⁴ (Energy Systems Catapult 2017) shows that without any intervention, future growth across GM could lead to an increase in 3% energy demand. According to DECC (2012), over 12% of GM householders are in fuel poverty which equates to over 130,000 households. Higher standards of energy efficiency for domestic building have the potential to significantly reduce running costs but carbon reduction requirements alone would not achieve this.
- 2.10 In the modelling of costs, air source heat pumps alone led to higher annual energy bills if no additional solutions were implemented. This was roughly £150-200 per year in houses for regulated energy use and £50-150 in the case of flats. If you then start to look at including the highest fabric standards, loss of gas standing charges, waste heat recovery technology and renewable energy generation, this could potentially lead to a saving of around £150 per year. It was suggested that for regulated energy use, annual running costs estimated in new designs are no higher than that of the same home built to the Part L 2013 standard using gas. The Future Homes Standard is also considering an affordability metric so such a requirement may be superseded or become redundant if appropriate provisions within the new Part L are identified.

³ <https://www.london.gov.uk/what-we-do/planning/implementing-london-plan/planning-guidance/be-seen-energy-monitoring-guidance-pre-consultation-draft>

⁴ https://www.greatermanchester-ca.gov.uk/media/1363/spatial_energy_plan_exec_summary.pdf

- 2.11 To understand potential costs of following the pathway to net zero carbon for new development, a range of domestic archetypes were identified and then modelling of various approaches were considered. This included natural and mechanical heat ventilation (MVHR), wastewater heat recycling, air source heat pumps and Photovoltaics (PV) leading all the way up to the 'very high' standard (Passivhaus equivalent). In all models when meeting the highest fabric standard and including all modelled technology, construction costs do not increase by any more than 6%. The most expensive uplift was in the detached house model which showed construction costs around £9k (excluding PV installation).
- 2.12 The most significant costs associated with achieving higher BREEAM ratings are often associated with meeting minimum energy requirements. The research undertaken suggests most existing non-domestic buildings can achieve 10-15% energy efficiency improvements on current regulations, but there are some buildings that might find this standard more difficult due to the energy associated with their type and operational demand, for example hotels. As technology improves and the market becomes more confident, it is estimated that energy efficient standards may fall by around 20-30% between 2020 and 2030. In addition, it is likely that there will be further reductions in the costs of PV with costs falling by a further 35% on 2020 levels by 2030.

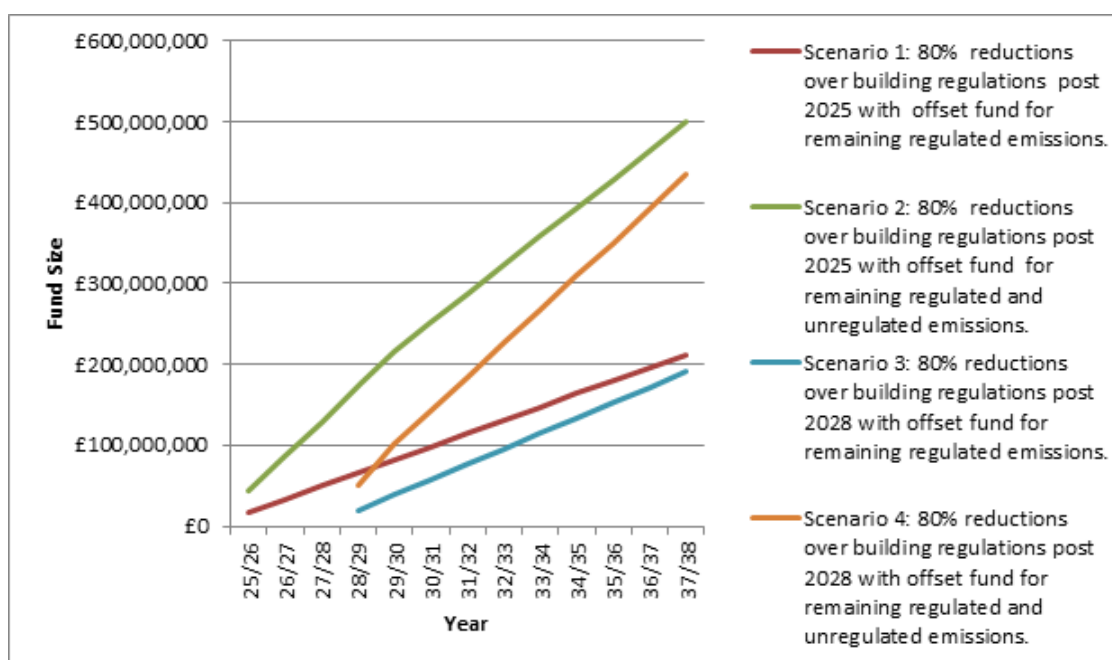
3. KEY FINDINGS – CARBON OFFSETTING

- 3.1 The second part of the research, completed by the Centre for Sustainable Energy (CSE), considered the role of carbon offsetting within the emerging policy approach and a potential carbon price for Greater Manchester. As noted earlier in the report, carbon offsetting is the last resort as part of the net zero policy approach to avoid sub optimal building standard. Therefore, it is important that policies are designed in such a manner as to ensure that all viable on site methods of reducing carbon emissions are exhausted first.
- 3.2 Carbon offset payments will fund carbon saving projects elsewhere, to make up for the savings not achieved within a particular development. Carbon offsets are collected through "Section 106" legal agreements attached to planning consents, and off-site carbon abatement is assumed to take place over a 30 year period. Projects which could be funded include domestic and community energy projects, energy efficiency retrofit for domestic and community buildings and also carbon sequestration.
- 3.3 This study considered the carbon price for Greater Manchester offsetting in accordance with the supplementary documentation to the HM Treasury's Green Book, a nationally recognised carbon pricing mechanism. This reflected the approach taken for the London Plan and outlined a price of £113 or £118 per tonne (dependant on whether the scheme came into force in 2025 or 2028). However, CSE does not consider this approach consistent with Greater Manchester's Climate Emergency Declaration.
- 3.4 The climate emergency, the UK wide 2050 zero carbon target and the Greater Manchester 2038 net zero carbon target fundamentally challenge the conventionally accepted approach to additionality and carbon offsetting, in that within these timescales, effectively all carbon emissions will need to be avoided or sequestered in carbon sinks. Therefore, the rate at which emission reductions are achieved is critical, in that if Greater Manchester

were to meet its commitment to become carbon neutral by 2038, the residual emissions from new development would also need to be offset by the 2038 deadline rather than over the lifespan of the measure funded – which has typically been used in the past. This logic would support higher charges being levied on developers to achieve the carbon savings within the 2038 timeframe, increasing further as the length of time to the deadline (2038) within which carbon savings can be accrued reduces.

3.5 A justifiable approach to operationalise this would be to base the carbon price for Greater Manchester on the Treasury figures but adjust the figures to reflect that Manchester’s aim to be achieved 12 years earlier, resulting in a carbon price of £234 in the case of a 2028 start date. Given that Policy GM-S2’s stated intent is to already be delivering net zero carbon development by 2028, CSE strongly recommend that GMCA begin collecting carbon offset payments prior to 2028. A logical point to bring in this measure would be 2025 – to align with expected changes in the 2019 Future Homes Standard Consultation. With this in mind, the study also considered scenarios where the carbon offset regime is brought into force in 2025 at a lower carbon price of £200.

3.6 The baseline growth estimates from the Greater Manchester Spatial Framework was applied to the policy recommendations from Part 1 of the study to determine (in theory) the amount of offsetting income that could be expected. The graph here shows the potential revenue from carbon offsetting dependant on whether the approach is implemented from 2025 or 2028 and if the fund is to cover regulated emissions only or unregulated and regulated. The optimum recommendation from the research was to consider offsetting from 2025 and apply this to both regulated and unregulated emissions. In this scenario which is scenario 2, you can see the conceptual size of the fund is around £500million.



Carbon Offset Fund Generation

- 3.7 Contributions from any offset will need to be directed into a ring-fenced carbon offset fund to provide maximum flexibility and minimise administrative costs, rather than having to specify actual projects funded within individual legal agreements.
- 3.8 In parallel to this piece of work the Mayor announced that a Greater Manchester Environment Fund (GMEF) would be launched at the Green Summit in 2018. The aim of the GMEF is to improve the quality of the environment within Greater Manchester by providing grant funding to non-statutory initiatives that are currently underfunded through existing mechanisms. Initially this is to include habitat banking and carbon trading. Environment Finance have been commissioned to explore the setting up of this fund and clearly, there is an opportunity here to align with any carbon offsetting from the development planning system. This does not preclude districts exploring alternative options.

4 . CONCLUSIONS AND NEXT STEPS

- 4.1 The evidence prepared by Currie and Brown/CSE will be used to inform the next iteration of the Carbon and Energy Policy for the Greater Manchester Spatial Framework. However, it has also raised a number of important issues that will need to be considered:
- Amendments to national planning guidance and changes from any emerging Future Homes Standard
 - The role of supplementary technical guidance
 - Skills in districts and availability of resources
 - Further work required to set up carbon offsetting
 - Post occupancy monitoring and evaluation (developer responsibility vs online reporting)

5. RECOMMENDATIONS

- 5.1 The Partnership is asked to:
- o note and comment on the contents of the report.

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **DECARBONISATION OF THE PUBLIC ESTATE – SOFT MARKET TESTING FOR ENERGY EFFICIENCY, LOW AND ZERO CARBON INTERVENTIONS**

Report of: **Mark Atherton, Director of Environment**

PURPOSE OF REPORT

To provide a short summary of the project work that is currently underway to support the decarbonisation of the public estate across Greater Manchester city-region.

RECOMMENDATIONS:

The Partnership is requested to:

- To note and comment upon the contents of the report.

CONTACT OFFICERS:

Mark Atherton, Director of Environment, GMCA

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

1 BACKGROUND

- 1.1 GMCA has been building a comprehensive picture of energy and carbon footprinting across the Public Estate, consisting of the 10 Local Authorities and Central Services (GM Fire and Rescue, GM Police, TFGM and GM Waste). This work has shown that across GM, energy use is ~788,000 MWh and accounts for 169,000 Tonnes CO₂e (2018/19 data)
- 1.2 This work had also demonstrated the scale and depth of interventions and transitions that are required to be made if GM is to hit its target of carbon neutrality by 2038.
- 1.3 Local Authorities have been engaged to provide current data on energy consumption on their controlled building assets. A series of workshops has been undertaken, which has allowed the ranking and prioritisation of high energy consumption estate, has permitted the mapping of high energy consuming buildings and provided a focus on what actions can be taken as quick wins across the estate.
- 1.4 A list of intervention options has been worked through to elucidate what key projects are within current estates investment plans and what other opportunities there may be. This has included the identification of further sites for solar generation to support the requirement for an increase in zero carbon generation.
- 1.5 This work has shown however, that further work is required to provide details of the scale and size of intervention, to support and assist GMCA's thinking around the objective of decarbonisation of the public estate leading to carbon neutrality by 2038.

2 ALIGNMENT WITH GREATER MANCHESTER 5 YEAR PLAN

- 2.1 Relevant aspects of the GM 5 Year Environment Plan associated with this paper are:
 - Challenge 1 – Our contribution to mitigating climate change with work to understand emission reduction pathways
 - Recommendation in the 5 yr plan to “take prompt action to put Great Manchester on a path to carbon neutrality by 2038, initiating an immediate programme of mitigation”.
 - Aims for mitigation of climate change – for the city-region to be carbon neutral by 2038 and to meet carbon budgets that comply with international commitments.

3 PROGRAMME AND SUPPLIERS

- 3.1 The programme has been running enabling actions since November 2019, and the soft market testing project, launched on 1st June 2020, is expected to complete in October 2020
- 3.2 Four Suppliers have been engaged for their expertise and experience in this space to carry out the Soft Market Test exercise. They are:
 - Ameresco
 - Engie
 - Electricity North West Limited
 - UK Power Networks Limited

4 SCOPE

- 4.1 The suppliers have been asked to provide technical proposals for the sites (i.e. exactly what measures are recommended, an idea of costs, energy and carbon savings and delivery)
- 4.2 There are two key aspects of project types which have been asked -
- An affordable 5-7yr Return on investment – Remaining low hanging fruit and interventions in line with quick win affordable actions
 - Zero Carbon Approach – Interventions necessary to result in buildings that join a zero carbon pathway.
- 4.3 Suppliers have also been asked to provide
- Information on local supply chain capability to deliver projects, use recent experience in delivering similar projects for others and their actual results
 - Proposals and recommendations for financing / commercial models to assist GM / Districts in funding the projects
 - Comments on how much of the pipeline could be self-financing (or delivered through above proposed models) and how much would have viability constraints (or how we would assess this).

5 TARGETS AND INTERVENTIONS

- 5.1 Within the context of the exercise, key targets have been set to 30% reduction from current energy usage by 2024, a 50% reduction by 2030 and stretch target of 80% reduction in buildings carbon emissions by 2030.
- 5.2 The stretch target has been put in place as this more closely aligns with the required GM decarbonisation pathway, referencing the SCATTER work previously carried out by Anthesis and the Tyndall Centre. A 50% energy reduction alone is not in line with the pace of decarbonisation required.
- 5.3 A clear set of guideline interventions have been outlined to the suppliers and in line with current thinking. These are shown in the table below.

Intervention	Alignment with Wider District and GM Activity
Optimisation/replacement of building services	Annual Maintenance Plan and Asset Management Strategies
Decarbonisation of heating energy conservation measures/fabric improvements	BEIS - DEEP Cities Project aimed at decarbonisation of heat – switch from gas and development of heat sharing
On-site diversity and flexibility – optimisation and controls	Local Energy Markets (LEM)

On-site Energy Generation (e.g. maximising opportunities for PV, Solar thermal)	Go Neutral 2 – Solar PV and combination systems, PV, Battery Storage and EV charging infrastructure
On-site low carbon mobility infrastructure (e.g. EV charging)	

6 SOFT MARKET TEST BUILDING CRITERIA

6.1 Application of building selection criteria have been applied to the GM wide energy data so that the building assets selected for the testing are -

- Owned by the District
- Remaining in the portfolio over at least next 5 years
- Not under any planned large-scale refurbishment
- No recent investment grade audit carried out or planned
- Incorporates feedback from the Districts

7 ENERGY AND BUILDINGS SCOPE

7.1 The total energy use across the GM public buildings within scope is circa 788,000 MWh (2018/19) and accounts for ~169,000 tonnes CO_{2e}

7.2 The Top 100 Assets in GM, which are in compliance with the selection criteria account for ~30%.

7.3 The top 5 archetypes are Leisure Centres, Administrative Buildings, Police Stations, Market Halls and Depots and account for 91% of building types within scope.

7.4 To keep the exercise manageable within timescales and acting on initial feedback from the companies involved, a focused approach has been taken which is -

- 12 Mandatory Buildings have been selected with a spread across the Districts and of archetype.
- ~90 buildings have remained as optional buildings to keep scale and flexibility.
- Currently there are 8 Optional buildings within scope, with the potential for further clustering of opportunities.
- This captures ~66,000 MWh – (~36,000 MWh Gas / ~30,000 MWh Electricity) and represents ~8% of GMCA spread across 219,000 m² (~7% of GM built estate area).

8 OUTCOMES

8.1 The Soft Market testing will conclude over the late summer with detailed intervention reports for 12 Mandatory buildings and optional buildings. This will also include an extrapolation of interventions across the top 100 Assets identified, which will help shape the view on the size and scale of interventions.

- 8.2 A summary report will be produced and considered within GMCA, which will address overall opportunities and a recommended pathway. This will assist in assessing hard opportunities and public procurement opportunities to achieve value for money, which will directly feed into the development of Carbon Masterplans for the Districts
- 8.3 In addition, the outcomes will help the Districts gain key information about -
- Energy and carbon interventions ROI and lifetime savings (Energy carbon and revenue) for their whole estate
 - Knowledge to unlock potential funding routes for investments and procurement options
 - Information about key factors affecting decision making on built environment retrofit (and new development) and help shape the response to the District's declared climate emergencies.

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **DOMESTIC RETROFIT FOR A CARBON NEUTRAL FUTURE: MODELLING THE NEED AND OPPORTUNITIES FOR HOUSING RETROFIT IN GREATER MANCHESTER**

Report of: **David Shewan, Parity Projects**

PURPOSE OF REPORT

To provide a short summary of the project currently underway to identify realistic pathways to net zero carbon housing by 2038.

RECOMMENDATIONS:

It is requested that the Partnership:

- Note and comment upon the contents of the report.

CONTACT OFFICERS:

Aisling McCourt, Principal – Housing Strategy
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Mark Atherton, Director of Environment, GMCA
Mark.Atherton@greatermanchester-ca.gov.uk

1.0 BACKGROUND INFORMATION

- 1.1 In September 2019, GMCA was successful in bidding for £49,980 grant funding from the Local Government Association's Housing Advisers Programme 2019/20¹ to procure expert advice to model the need and opportunity for domestic retrofit in GM. The project will develop a GM housing stock data baseline and energy modelling to provide an estimation of the potential for low carbon retrofit across that stock.
- 1.2 The GM Environment Team contributed an additional £35k to extend the remit of the project, to enable future scenarios for energy and CO₂ modelling to be undertaken for a wide range of energy efficiency measures. This will provide robust evidence for developing business cases to unlock investment opportunities for housing retrofit and also identify the potential for enforcement intervention and the ability to compare housing stock consistently across Greater Manchester.
- 1.3 GMCA undertook procurement for the project between November 2019 and January 2020, and Parity Projects Ltd (as part of a consortium with Bays Consulting, ADE Research and Energy Systems Catapult) were appointed as the successful bidder in January 2020.
- 1.4 The project started in February 2020 and will conclude in October 2020. It has four main parts:
'Where are we now'
 - 1a. an energy model of the housing of Greater Manchester at an address level,
 - 1b. a statistical model that will predict the probability of hazards in homes at an address level using the Home Health and Safety Rating System (HHSRS)² framework
 2. 'Where do we want to get to': identify the most likely and realistic end-result that would result in zero emissions from housing by 2038
 3. 'How do we get there': model a range of possible policy interventions using the Greater Manchester model described above to identify a suitable outline pathway to zero emissions housing by 2038
- 1.5 The housing energy model of the housing stock of Greater Manchester has been produced using open data sources and Ordnance Survey data. This is being enhanced before August to include an analysis using LIDAR data to identify the potential for solar panels, and using GIS information to identify the potential for electric vehicle charging points. This energy model will be used as the basis for modelling the effect of possible policy interventions.
- 1.6 The model to predict the probability of HHSRS hazards in homes is in progress. It is based on the latest English Housing Survey, which identifies HHSRS hazards within a wide dataset for a sample of UK homes each year. The model will use data from the housing energy model, and from data sources available at small area level (such as census, Indices of Multiple Deprivation) to predict probability of hazards in individual addresses.
- 1.7 'Where do we want to get to' has been more difficult than anticipated to determine. The main reason for this is that housing cannot be considered in isolation from national policy which will determine factors such as:
 - the extent to which the electricity grid will decarbonise

¹ <https://www.local.gov.uk/topics/housing-and-planning/lga-housing-advisers-programme/housing-advisers-programme-hap-2019-2020>

² <https://www.gov.uk/government/publications/hhsrs-operating-guidance-housing-act-2004-guidance-about-inspections-and-assessment-of-hazards-given-under-section-9>

- the capacity of the future electricity grid
- the ability of the future electricity grid to handle seasonal and short-term demand fluctuations
- whether national infrastructure will develop for emerging technologies like hydrogen

2.0 CURRENT FINDINGS

2.1 Our analysis and literature review supports the following key conclusions, noting that it will be essential to review policy over time as technology and national policy develop:

Our analysis and literature review supports the following key conclusions, noting that it will be essential to review policy over time as technology and national policy develop:

- Natural gas is predominant in GM housing. We cannot see any scenario where housing can approach net zero CO₂ while any significant proportion of homes remain gas-heated. Technical considerations aside, biogas/hydrogen are unlikely to become available in sufficient quantity to displace it in the next few years at least.
- Electricity is projected to decarbonise radically over the next few years before 2038 but it seems unlikely that the grid can be upgraded to have sufficient capacity to support widespread conventional electric (resistive) heating.
- (Electric) Heat pumps seem likely to be of key importance in decarbonising GM (and UK) housing stock. The roll out of heat pumps needs to dramatically increase. They use far less energy to heat a home than conventional electric heating. Literature review indicates that an upgraded grid could support very high rollout by 2038.
- Fabric measures play an important role in decarbonisation and grid resilience and are ‘low regret’. Retrofitting most houses to a ‘good’ level is likely to be important, but a very deep retrofit of every house is unlikely to be necessary. Policies need to ensure fabric measures are targeted to support effective measures as fabric measures vary widely in cost-effect. Heat pumps may reduce CO₂ but are not likely to reduce bills, so fabric measures will remain key to fuel poverty alleviation.
- Heat Networks can provide localised solutions that are lower carbon than heat pumps and should be pursued where viable. The business case is only likely to be viable in the significant minority of homes (perhaps 15%) where housing is denser and/or closer to heat sources. GM can have a key strategic role in this.
- Domestic Renewables allow housing to become net zero by offsetting remaining CO₂ linked to home energy use. In fact it doesn’t matter whether renewables are installed on housing or elsewhere.
- Energy storage (including batteries) is likely to be more important for grid resilience in the longer term when and if heating becomes largely electrified.
- Hydrogen: There is considerable ongoing work to develop low carbon hydrogen for a range of sectors, with heating for domestic properties competing with other sectors that might claim a higher priority for this fuel, but the technology seems likely to be some way off still.

The prospect of the technology playing more of a part than anticipated in future does not pose a risk to rolling out measures as above.

3.0 NEXT STEPS

3.1 'How do we get there' will be the focus of the project in July to September. We are currently modelling the likely effect of different policy frameworks towards the decarbonisation of GM housing. Initial work indicates that decarbonisation will need a radically increased ambition compared to programmes to date.

3.2 The progress on delivery of the interim steps above will be reported to GMCA.

4.0 RECOMMENDATIONS

It is requested that the Partnership:

- Note and comment upon the contents of the report.

Retrofit Accelerator Update

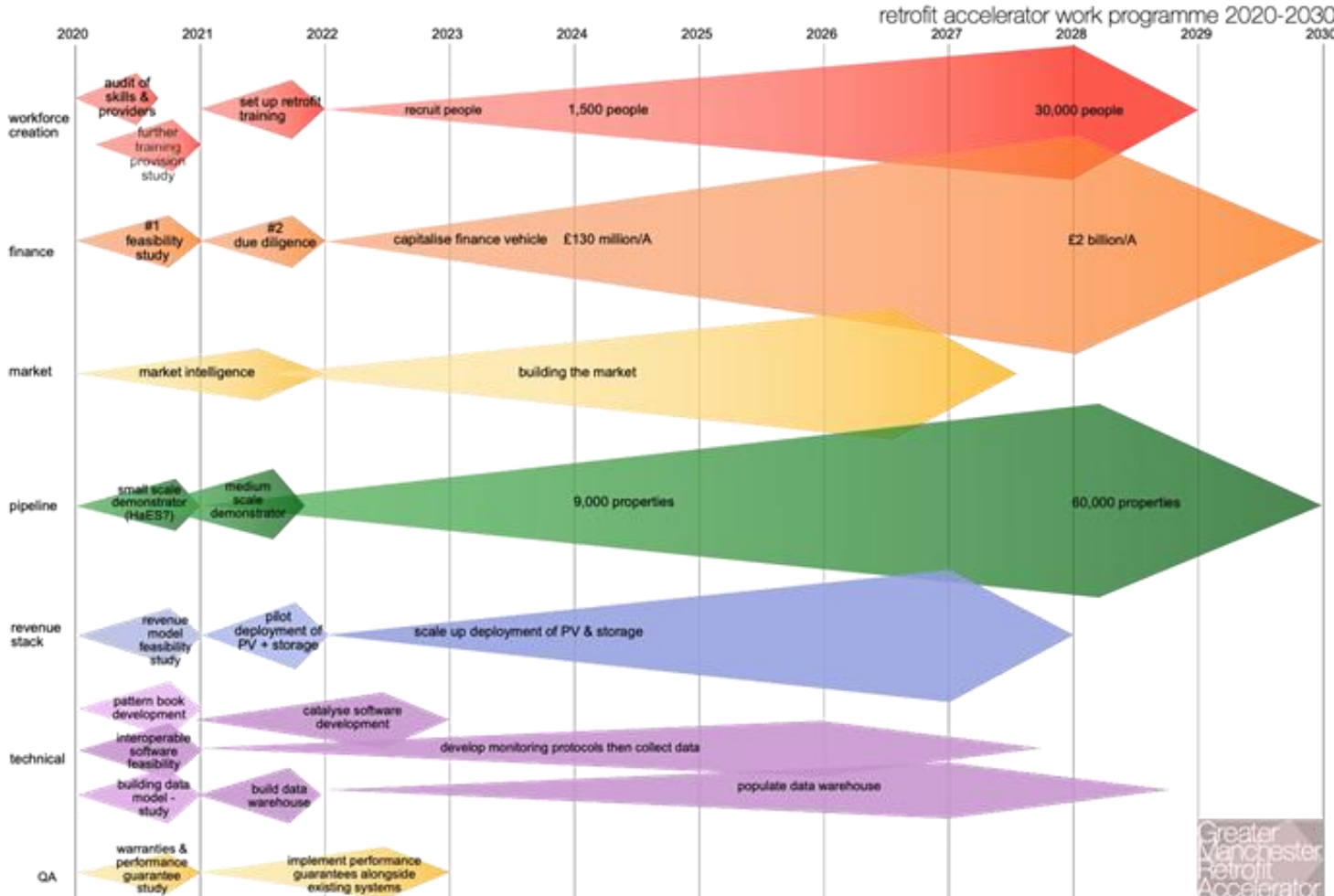
Objectives

- Massive requirement to scale up for 2038 target
- Wicked problem – complicated

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Finance

- Trusted Offer
- Demand
- Supply Chain and Skills



Guiding Principles

- Cuts across all tenures and building types
- Not reinvent the wheel – access and signpost existing investments in knowledge and guidance
- Not directly a delivery body – designed to support delivery
- Recognise there is no single way
- Do something!



Themes

3. Design Quality

2. Market Making

4. Finance and Legals

1. Pre-Engagement

5. Delivery and Post Occupancy

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Legislation and Regulation

Policy Levers Subsidy Incentive

Individual Market Drivers

Engagement

Assessment

Specification

Details

Modelling

Risk

Baselining

Financing

Revenue Stack (incentives, HAES)

Contracts

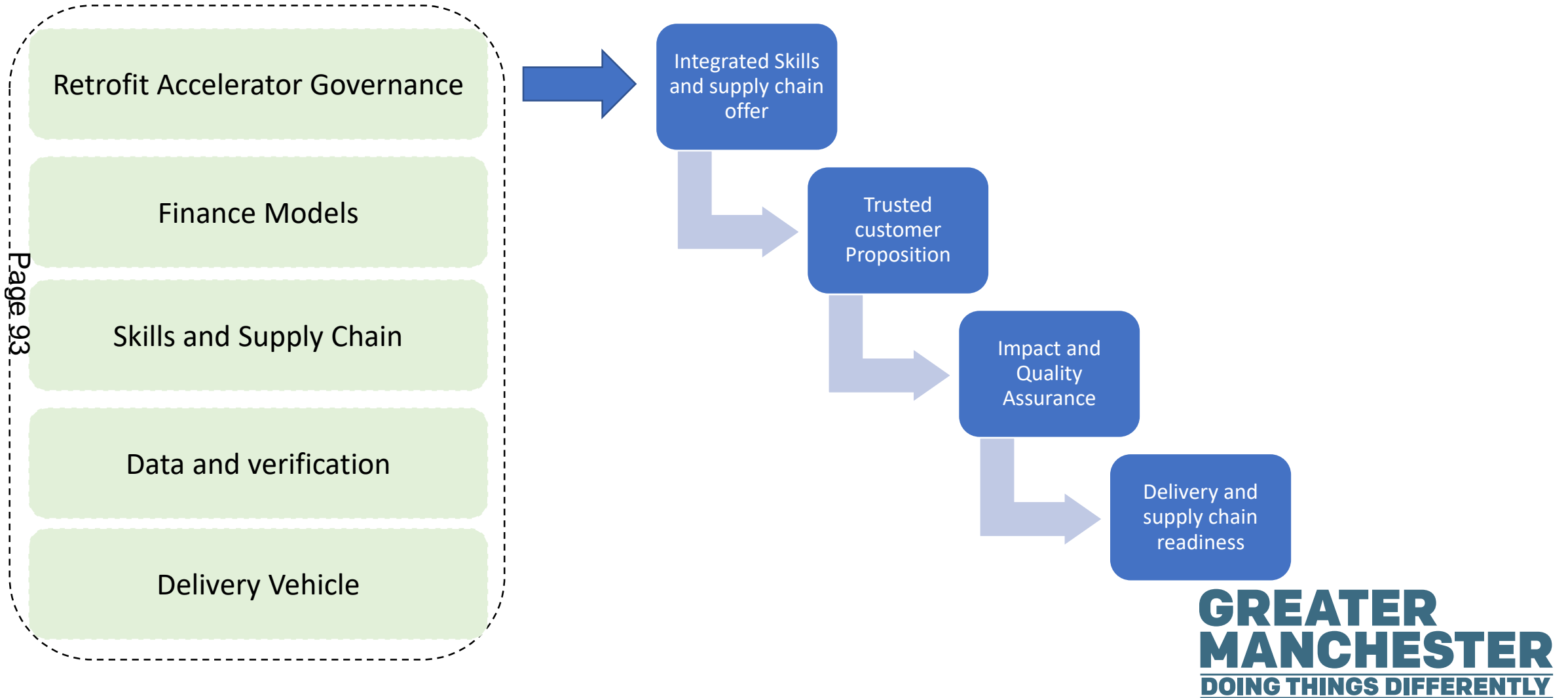
Warranties and Liabilities

Install

Commissioning

Monitoring and Verification

Retrofit Accelerator

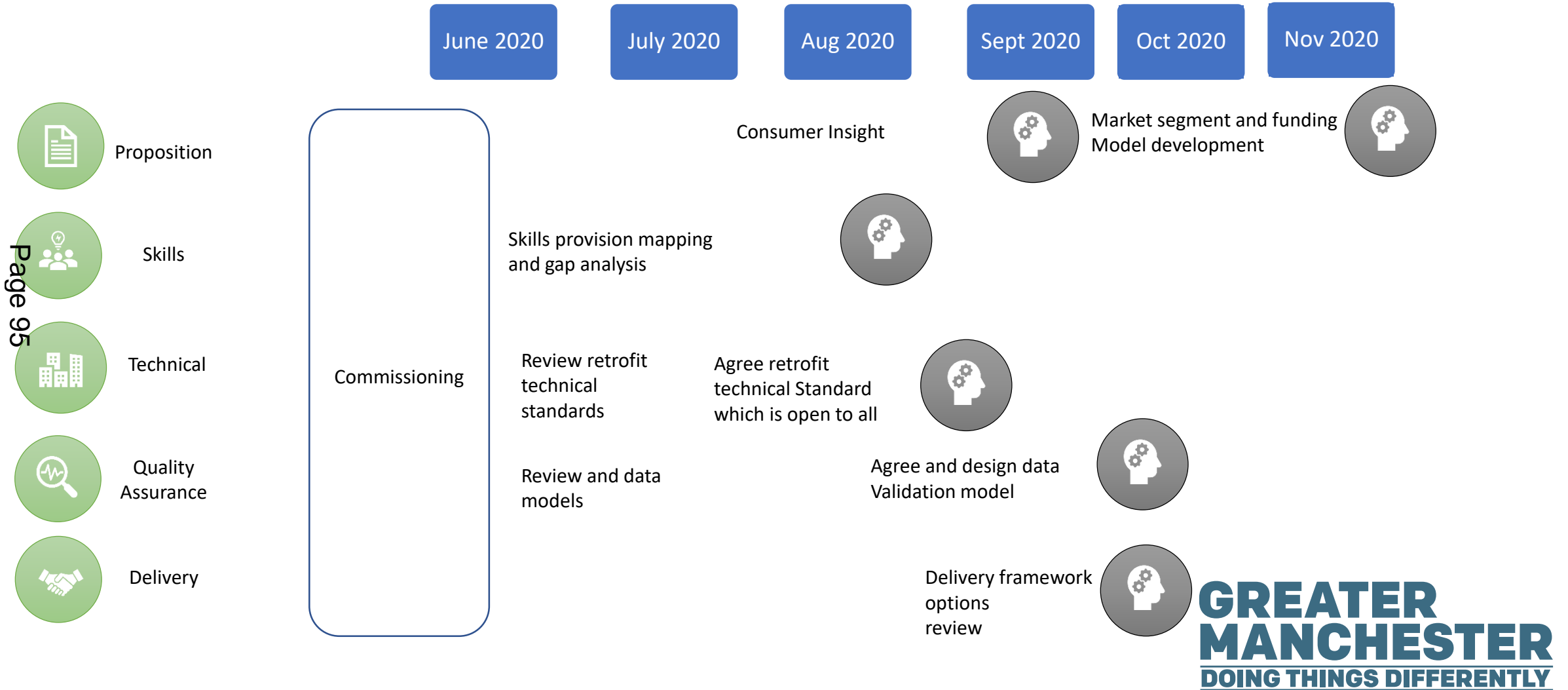


What questions still require answering?

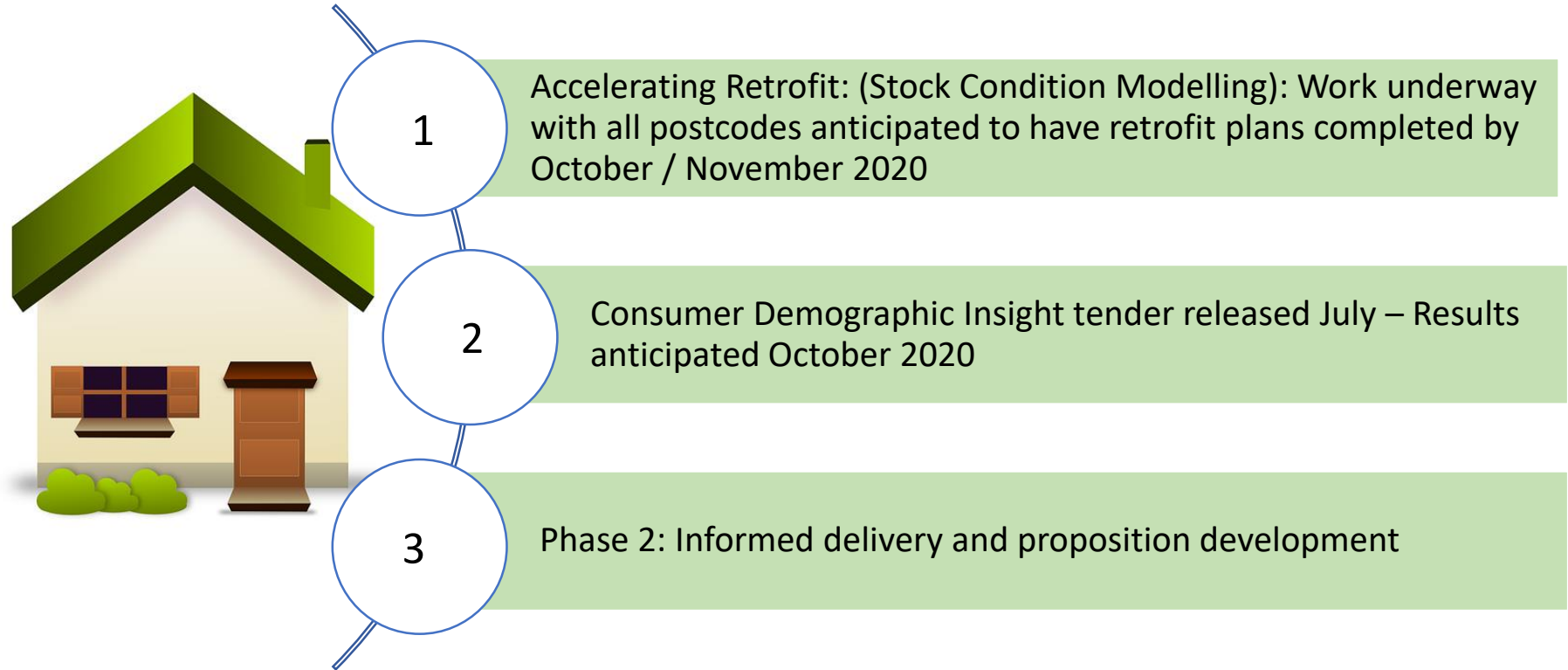
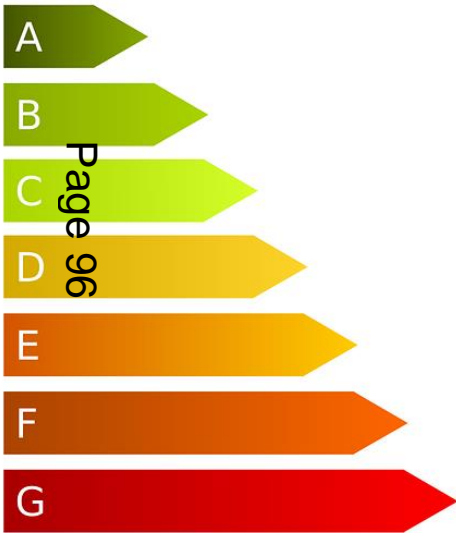
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Proposition	Skills	Technical	Quality Assurance	Delivery
<ul style="list-style-type: none">• Understanding the market• Market segment proposition• Energy storage model• Business model development• Finance vehicle	<ul style="list-style-type: none">• Integration with existing GM provision• Provision gap analysis	<ul style="list-style-type: none">• Retrofit technical advice• Technical offer to the market	<ul style="list-style-type: none">• Assessment of existing models• Design data model	<ul style="list-style-type: none">• Delivery vehicle options

Programme



Retrofit Accelerator: Informed Delivery



GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **URBAN PIONEER IMPACT REVIEW**

Report of: **Lee Rawlinson, Regional Director, Environment Agency**

PURPOSE OF REPORT

The paper provides a review of the outcomes from the 3 year Urban Pioneer Project and next steps.

RECOMMENDATIONS:

The Partnership is requested to:

- Note the progress and impact of the GM Urban Pioneer
- Note the Urban Pioneer Evaluation Report (Annex).
- Consider next steps for the legacy assets and recommendations of the work
- Raise awareness of the summary report and key programme highlights with GMCA Executive

CONTACT OFFICERS:

Adam Booth, Environment Agency – adam.booth@environment-agency.gov.uk

1.0 BACKGROUND

- 1.1. In 2016 Defra created the Urban Pioneer (UP) in Greater Manchester (GM) to support the development and implementation of Governments 25 Year Environment Plan (25YEP) as one of four pioneers each set in a different geography. These were part of an 'action learning' approach to developing its 25 Year Environment Plan, designed to develop and identify research, policy development and interventions to create positive environmental change which could be replicated in other localities.
- 1.2. UP was an unfunded project led by the Environment Agency (EA) which provided a small core team to ensure consistency of delivery and to support the UP Delivery Group which was made up of project partners.
- 1.3. In Jan 2018 The UP published its strategic plan document detailing what the UP would do. This was co-branded between the Environment Agency and GMCA as its major partner.

2.0 KEY OUTCOMES

- 2.1. The UP acted as a catalyst to the natural capital sector, collaborating with and building on, existing initiatives to unify the language, direction and effort in the GM City Region. This helped to accelerate the transition, supporting GM in developing its understanding of the value of the natural environment in developing and delivering key policy objectives.
- 2.2. **Natural Capital Accounts:** The development of [natural capital accounts](#) for GM, which at the time of publication contained a number of world firsts, supported this and has been used by GM and its many partners to further understanding and engagement around the natural environment. As well as national Defra teams in developing tools and policy and others such as the OxCam Growth Arc and the Northern Powerhouse.
 - These accounts and the methodologies applied were used to support the [Salford Housing Infrastructure bid](#), identifying the uplift in benefit flows as part of the scheme's green and blue infrastructure design.
 - They were also rapidly deployed in an incident scenario during the [Saddleworth moor fires](#). It was used to measure the biodiversity loss, carbon impacts and tourism impacts of the fires and was welcomed by the Local Resilience Forum and nationally recognised as a first for such an application, changing how we measure the impacts of such events.
- 2.3. **Local Policy Insights:** Initiatives such as GM's [5 Year Environment Plan](#), the GM Environment Fund and the [GM Natural Capital Investment Plan](#) have all been informed and supported by the work of the UP.
 - The [Investment Readiness Fund](#) (IRF) development guidance was produced by the UP to support natural capital projects.
 - The UP played a critical role in the [GM Green Summits](#) supporting the natural environment agenda and by engaging with the general public and sector specialists. Analysing and synthesizing the data gained using the latest Artificial Intelligence techniques to inform the development of the 5 Year Environment Plan and the summit itself in real time. This novel approach has now been adopted with the Environment Agency as a best practice approach.
- 2.4. **National Policy Insights:** In addition to work to embed it in GMSF, and the practice of local development control teams, [Biodiversity Net Gain](#) (BNG) as core policy of the 25YEP is present due to the innovative work of the UP through its partners and the influence of GM through its local commitment and adoption of a BNG policy, prior to the 25YEP publication. Significant work developing how BNG can be implemented in practice has, and continues to be developed by the UP partners.

- The 25YEP's place focus was shaped and informed by the UP, and the confidence it gave in the importance of place-led, integrated approaches.
- The Environment Agency's future funding team was highly influenced by the example of the UP, with its Engagement Plan and Priorities shaped by the work of the UP, now leading to projects around DEFRA Environment Funds and Investor engagement
- UP outputs have been used in a range of cross departmental meetings, including with Treasury, to justify and progress work on more integrated decision-making, taking account of natural capital assets and impacts
- UP has been a keynote topic included in Mayor's, Leaders and expert presentations across the UK, positioning and promoting GM as a thought leader on the natural environment agenda at over 20 national Planning, Environment and Innovation conferences.

3.0 NEXT STEPS

- 3.1 The GM NCG members are all considering how their respective organisations and the sectors they represent can adopt and embed the lessons and learnings from the UP. Partners valued the collaborative platform it provided to work on innovative activity on the socioeconomic aspects of the environment agenda which is not replicated in any other forum, and this needs to find a new home.
- 3.2 The IGNITION project will continue the UP's work to develop innovative financing solutions for investment in Greater Manchester's natural environment.
- 3.3 Work on the GM Environment fund and Investment Readiness Fund is continuing.
- 3.4 A number of partners led by Natural England will continue to further develop the tools and process required to embed BNG across the city region.
- 3.5 GM NCG with its ambitious work plan via its Task and Finish groups will continue a number of elements of the UP's work.
- 3.6 The Environment Agency and Defra remain committed to supporting the natural environment agenda in GM and its 5 Year Environment Plan, supporting a range of projects and programmes which will adopt the lessons from the UP.

4.0 RECOMMENDATIONS:

- 4.1 The Partnership is requested to:
 - Note the progress and impact of the GM Urban Pioneer
 - Note the Urban Pioneer Evaluation Report (Annex).
 - Consider next steps for the legacy assets and recommendations of the work
 - Raise awareness of the summary report of key programme highlights with GMCA Executive

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GREATER MANCHESTER GREEN CITY REGION PARTNERSHIP

Date: **24 July 2020**

Subject: **GM ENVIRONMENT FUND UPDATE**

Report of: **Mark Atherton, Director of Environment, GMCA**

PURPOSE OF REPORT

The paper provides an update on the development of the GM Environment Fund and next steps.

RECOMMENDATIONS

The Partnership is requested to:

- Note the progress made in developing the GM Environment Fund
- Note the GM Environment Fund overview presentation (Annex).

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1.0 BACKGROUND

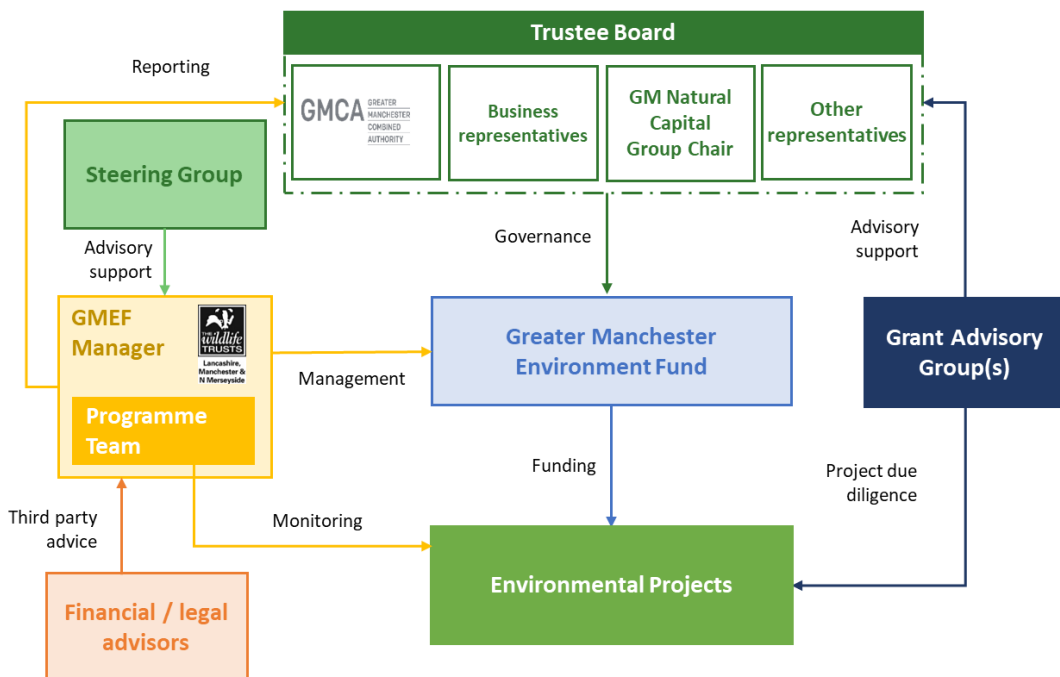
1.1 Greater Manchester has set out ambitious plans to improve and enhance its environment. Key to achieving this is to increase investment into projects that will help deliver on this aim on the ground in the city-region. Given pressure on public spending, broadening this range of investment – to philanthropic, impact first, responsible and mainstream investments – is crucial. Working with partners, the Greater Manchester Combined Authority (GMCA) is developing the right structures and enabling environment to support this.

1.2 A report was considered by the Partnership in January 2020 which outlined the progress made in developing a Natural Capital Investment Readiness Fund. This work has now been extended to include the establishment and development of a GM Environment Fund which is set out in more detail below.

2 ESTABLISHING A GREATER MANCHESTER ENVIRONMENT FUND

2.1 This is the start of a long term process which aims to grow the funds over time, both in size and breadth of opportunities and financial models. The first building block of this is to establish a GM Environment Fund. This will aim to blend public and private sector funding to close the gap between corporate organisations and institutions, that either wish or are required to address their negative environmental impact, and smaller, grassroots organisations, that aim to deliver schemes and projects.

2.2 The GM Environment Fund will provide a unified governance and decision-making framework to deliver GM’s environmental priorities. It will allow a range of funding sources to be aggregated within a single vehicle to leverage funding from the public sector, foundations and aligned corporates for strategic deployment. Initially, a straightforward grant funding model is envisaged, as set out below, with the fund being established as a charitable vehicle.



2.3 Through a competitive tendering process, Lancashire Wildlife Trust were appointed in May 2020 to deliver the GM Environment Fund. The GM Environment Fund is a unique and exciting partnership opportunity to develop and implement innovative funding mechanism that will help deliver GMvelop and the GM Environment Fund.ental priorities. It will allow a range of funding sources to be aggregated within a single vehicle to lever is unlike any other programme that has been delivered by a public sector organisation before.

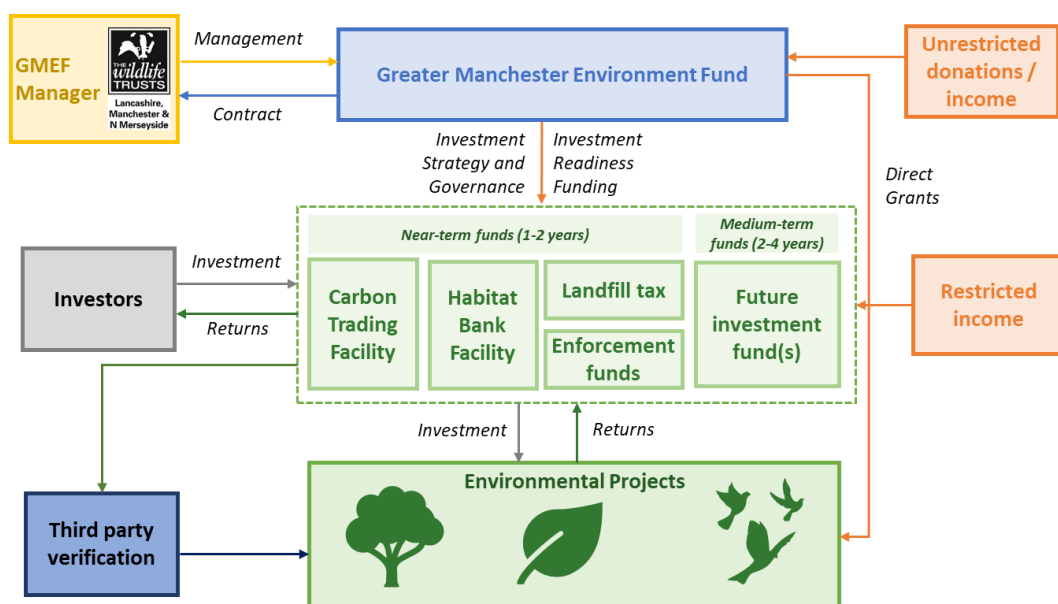
3 DEVELOPING THE GREATER MANCHESTER ENVIRONMENT FUND

3.1 In the longer term, the aim is for the GM Environment Fund to grow beyond this initial straightforward model. It would also provide governance and oversight to a series of more focused sub-funds that could be designed to deliver on specific environmental outcomes. There is a significant opportunity to mobilise private investment in habitat creation across GM through securing biodiversity net gain and carbon income streams. These opportunities have been identified as a result of changes in regulation and pose the greatest short term opportunities within Greater Manchester to support investment into the environment.

3.2 In January 2020, Greater Manchester contracted Environmental Finance, an organisation that specialises in facilitating private sector funding into environmental schemes, to support the development of these two models. By the end of the year, Lancashire Wildlife Trust, the GMCA and Environmental Finance, will:

- Produce an Investment Strategy to provide a more compelling opportunity to potential funders for what the GM Environment Fund can achieve to attract additional funding – beyond unrestricted, donative income.
- Create Business Cases for priority habitat banking and carbon offsetting investment models to outline how these could be incorporated within the GM Environment Fund.

3.3 The ambition for the GM Environment Fund in the longer term is shown below.



3.4 In order to build a structure of this scale that will become self sustaining within 5 years it has been forecast that as funding streams become aligned to GM wide aspirations, and new funding mechanisms and investment models are established, that pump priming grants will be required to bring in much needed development capacity and provide the ability to trial and showcase the benefits that GMEF has to offer. Grant applications to NLHF, Charitable Trusts and proposals to other potential investors will be complete by the end of the year.

4 FUTURE EXPANSION AND THE IGNITION PROJECT

4.1 The GM Environment Fund is being designed to allow additional vehicles to be added to it in future. The IGNITION project, led by the GMCA and encompassing 11 other partners, is developing pipelines of projects to deliver natural solutions to climate change in the city-region. This includes a pipeline of Sustainable Urban Drainage projects, the technical feasibility of which are being refined with the support of Jacobs. Further support is in the process of being procured by the Environment Agency on how that pipeline can be financed, investment sought, returns provided and projects delivered – and what vehicle is required to do that.

5 NEXT STEPS

5.1 The Environment Fund is due to be established as a Charitable Company Limited by Guarantee by September and work to develop the Investment Strategy and undertake the processes to enable its establishment are scheduled below:

Jul – Aug 2020	Refine investment models
Jul – Sep 2020	Assessment of pilot projects
Jul – Sept 2020	Investment Strategy
Jul – Sept 2020	Establish GM Environment Fund vehicle
Jul – Sept 2020	Recruit Trustees
Jul – Oct 2020	GM Environment Fund cash flow model
Sept – Mar 2021	Establish approval procedures and documentation
Dec – Mar 2021	Establish Grant Advisory Groups
Aug – Dec 2020	Funder engagement and fundraising – pump priming and pilot investments
Sept – Nov 2020	Produce website
Sept – Mar 2021	Establish quick wins through partners
Dec 2020 onwards	Pilot implementation
Jan 21 onwards	Secure other income streams

6.0 RECOMMENDATIONS

6.1 The Partnership is requested to:

- Note the progress made in developing the GM Environment Fund
- Note the GM Environment Fund overview presentation (Annex).