

**GREATER MANCHESTER
GREEN CITY REGION PARTNERSHIP**

DATE: Thursday 19 October 2023

TIME: 1.00 pm

VENUE: Teams

AGENDA

1. Introduction and Apologies (Chair) (3 Minutes)

**2. Chair's Announcements and Urgent Business
(Chair) (5 Minutes)**

3. Declarations of Interest (Chair) (2 Minutes)

1 - 4

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 least 48 hours in advance of the meeting.

BOLTON	MANCHESTER	ROCHDALE	STOCKPORT	TRAFFORD
BURY	OLDHAM	SALFORD	TAMESIDE	WIGAN

Please note that this meeting will be livestreamed via www.greatermanchester-ca.gov.uk, please speak to a Governance Officer before the meeting should you not wish to consent to being included in this recording.

FOR AGREEMENT

4. **To approve the Minutes of the last meeting held on 21 July 2023 (Chair) (5 Minutes)** 5 - 10
5. **Quarter 2 Progress Report - 5 Year Environment Plan (5YEP) (10 Minutes)** 11 - 30
Presented by Mark Atherton, Director of Environment, GMCA.

ORDINARY BUSINESS

6. **Work Programme 2023/24 and Challenge Group Updates (20 Minutes)** 31 - 44
Report and Presentation by Challenge Group Chairs.

FOR DISCUSSION

7. **Greater Manchester 5YEP Transport and Travel (20 Minutes)**
TO FOLLOW
Presentation by Megan Black, Head of Logistics and Environment, TfGM.
8. **Green Summit Review, 5YEP and Behaviour Insights (30 Minutes)** 45 - 74
Presentation by Sarah Mellor, Head of Sustainable Consumption and Production, Rachel Berman, Principal Researcher (Environment) and Robyn Smith, Project Manager Environment and Low Carbon, GMCA.
9. **Integrated Water Management Plan (10 Minutes)** 75 - 106
Presentation by David Hodcroft - Infrastructure Lead (GMCA Place Directorate), GMCA.

FOR INFORMATION

- 10. Schools Solar Photovoltaic (PV) (10 Minutes)** 107 - 116
Presentation by Sarah Holland, Programme & Policy Lead Energy, GMCA.
- 11. Public Sector Decarbonisation Schemes Videos (5 Minutes)** 117 - 122
Presentation by Sarah Holland, Programme & Policy Lead Energy, GMCA.
- 12. Date and Time of Next Meetings**
All meetings will be held virtually unless otherwise stated on:
- 25 January 2024 at 1.00 pm
 - 4 April 2024 at 10.30 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

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Declaration of Councillors' Interests in Items Appearing on the Agenda

Name and Date of Committee _____

Agenda Item Number	Type of Interest - PERSONAL AND NON PREJUDICIAL Reason for declaration of interest	NON PREJUDICIAL Reason for declaration of interest Type of Interest – PREJUDICIAL Reason for declaration of interest	Type of Interest – DISCLOSABLE PECUNIARY INTEREST Reason for declaration of interest

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

Quick Guide to Declaring Interests at GMCA Meetings

Please note: should you have a personal interest that is prejudicial in an item on the agenda, you should leave the meeting for the duration of the discussion and the voting thereon.

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:

1. Bodies to which you have been appointed by the GMCA.
2. 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:

1. You, and your partner's business interests (e.g., employment, trade, profession, contracts, or any company with which you are associated).
2. You and your partner's wider financial interests (e.g., trust funds, investments, and assets including land and property).
3. 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

1. If the answer to that question is 'No' then that is the end of the matter.
2. 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 is prejudicial

A personal interest becomes a prejudicial interest:

1. Where the wellbeing, 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.
2. 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:

1. Notify the Governance and Scrutiny Officer for the meeting as soon as you realise you have an interest.
2. Inform the meeting that you have a personal interest and the nature of the interest.
3. Fill in the declarations of interest form.

To note:

1. You may remain in the room and speak and vote on the matter.

If your interest relates to a body to which the GMCA has appointed you to, you only have to inform the meeting of that interest if you speak on the matter.

For prejudicial interest, you must:

1. Notify the Governance and Scrutiny Officer for the meeting as soon as you realise you have a prejudicial interest (before or during the meeting).

2. Inform the meeting that you have a prejudicial interest and the nature of the interest.

3. Fill in the declarations of interest form.

4. Leave the meeting while that item of business is discussed.

5. 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.



**MINUTES OF THE ANNUAL MEETING OF THE
GREEN CITY REGION PARTNERSHIP
HELD VIRTUALLY ON FRIDAY 21 JULY 2023 AT 10.30 AM**

PRESENT:

Councillor Tom Ross (TR)	Portfolio Leader for the Green City Region
Councillor Mike McCusker (MK)	Transport Committee and Planning & Housing Commission Representative (Vice-Chair)
Councillor Steve Adshead (SA)	Waste Committee Representative
Patrick Allcorn (PA)	Energy Security
Louise Blythe (LB)	BBC (Chair Communication & Engagement Challenge Group)
Peter Cole (PC)	Transport for the North (for Agenda Item 11)
Steve Connor (SC)	Creative Concern
Mark Easedale (ME)	(for Ian Crewe) Environment Agency (EA)
Andy Green (AG)	Homes England
Richard Halsey (RH)	Catapult (Chair Low Carbon Challenge Group)
Paul Hooper (PH)	Manchester Metropolitan University (Chair Sustainable Consumption & Production Challenge Group)
Mark Hughes (MH)	The Growth Company
Claire Igoe (CI)	Greater Manchester NHS Integrated Care
Phil Korbel (PK)	Cooler Projects
Louise Marix-Evans (LME)	Quantum (Vice-Chair 5 Year Environment Plan (5YEP) Forum)
Carly McLachlan (MC)	University of Manchester (Chair 5YEP Forum)
Ian Rutherford (IR)	Greater Manchester Faith Communities
Mike Taylor (MT)	(for Steve Cox) Electricity North West (ENWL)

OFFICERS IN ATTENDANCE:

Thomas Addison (TA)	Local Economic Strategy Principal (Low Carbon Economy), GMCA
Mark Atherton (MA)	Director of Environment, GMCA

OFFICERS IN ATTENDANCE:

Megan Black (MB)	Head of Logistics & Environment, TfGM
Oliver Fenton (OF)	Assistant Governance & Scrutiny Officer, GMCA
Todd Holden (TH)	Programme & Policy Lead, GMCA
Jenny Hollamby (JH)	Governance & Scrutiny Officer, GMCA
Martin Lax (ML)	Transport Strategy Director, TfGM
Anees Mank (AM)	Programme Policy Lead (Retrofit), GMCA
Sarah Mellor (SM)	Head of Sustainable Consumption & Production, GMCA
Garry Parker (GP)	Assistant Director, Environment and Regulatory Services, Bolton Council
Sean Owen (SO)	Head of Low Carbon Policy, GMCA
Robyn Smith (RS)	Project Manager Environment and Low Carbon, GMCA

Minute No	Resolutions	Responsible
	Blue Links = Link to Livestream (available for 6 month)	
GC/01/23	<u>APOLOGIES FOR ABSENCE</u> Apologies were received and noted from Ian Crewe (EA), Steve Cox (ENWL), Chris Oglesby (Bruntwood), Nalin Thakker (University of Manchester), Bernard Magee (Siemens), Liz Price (Manchester Metropolitan University), and Anne Selby (Independent).	Noted
GC/02/23	<u>CHAIR'S ANNOUNCEMENTS OR URGENT BUSINESS</u> That the updates be noted.	Noted
GC/03/23	<u>REVIEW AND APPROVE TERMS OF REFERENCE</u> 1. That the appointment of Councillor Tom Ross as Chair of the Green City Region Partnership for the 2023/24 Municipal Year be noted. 2. That the revised Terms of Reference for the Partnership for the 2023/24 Municipal Year and governance structure (Annex 01 and 01b of the report) be approved. 3. That the Vice-Chair arrangements and the Terms of Reference for the Challenge Groups for the 2023/24 Municipal Year be agreed (Annexes 02-06 of the report).	Noted JH MA/JH

GC/04/23	<p><u>TO APPROVE THE MINUTES OF THE LAST MEETING</u></p> <p>1. That the minutes of the last meeting dated 17 March 2023 be approved as a correct record.</p>	Noted
GC/05/23	<p><u>FAITH COMMUNITY PROJECTS</u></p> <p>1. That Members endeavor to attend the Our Faith Our Planet Our Commitments event on Thursday 14 September 2023 at 6.30 pm to 9.00 pm at the Manchester Museum.</p> <p>2. That the commitments detailed at the meeting be launched at the Green Summit 2023 to encourage all sectors to accelerate and increase their contributions towards net zero.</p>	All IR
GC/06/23	<p><u>DECLARATIONS OF INTEREST</u></p> <p>There were no declarations of interest received at the meeting.</p>	Noted
GC/07/23	<p><u>QUARTER 1 PROGRESS REPORT – 5 YEAR ENVIRONMENTAL PLAN (5YEP)</u></p> <p>1. That the progress outlined in the report and dashboard attached at Annex 01 of the report be noted.</p> <p>2. That the Director of Environment provide the timeline around Trafford Park hydrogen facility to the Waste Committee Representative following the meeting.</p> <p>3. That the uptick in CO₂ emissions across Greater Manchester be noted.</p> <p>4. That air quality metrics be included in the data source.</p> <p>5. That the business questionnaire covers climate adaptation.</p> <p>6. That link between clean air and net zero be strengthened in future narratives.</p>	Noted MA Noted MA/RB SC LME/CI/SC
GC/08/23	<p><u>WORK PROGRAMME 2023/24 AND CHALLENGE GROUP UPDATES</u></p> <p>1. That the progress in developing the Mission Based Approach and the associated Challenge Groups be noted.</p>	Noted

	<p>2. To undertake a deep dive on the work to deliver the Bee Network, it was agreed that the Transport Commissioner be invited to the next meeting on 19 October 2023.</p> <p>3. That the concerns raised by the Low Carbon Challenge Group Chair (interconnectivity, low carbon heat progress, retrofit agenda and grid infrastructure) be acknowledged and explored.</p> <p>4. That the Low Carbon Challenge Group give thought to what a good public awareness and engagement campaign would look like and how good news stories be shared.</p> <p>5. The Waste Committee Representative welcomed the work on textiles and asked that in terms of public awareness examples of reuse/end markets be shared.</p> <p>6. That the Chair of the Communications Challenge Group invited Challenge Group colleagues to discuss the shared narrative of delivery and mechanisms for collaboration.</p> <p>7. That the Chair of the 5YEP Forum to report back to the Partnership with proposals for a Greenwash Free City Charter.</p>	<p>MA/JH/MB</p> <p>RH</p> <p>RH/LME</p> <p>PH/SA</p> <p>All Challenge Group Chairs</p> <p>CM</p>
<p>GC/09/23</p>	<p><u>DOMESTIC RETROFIT: LOCAL ENERGY ADVICE DEMONSTRATOR</u></p> <p>1. That the Partnership noted:</p> <ul style="list-style-type: none"> a. the successful award of £2.14m to deliver the Domestic Local Energy Advice Demonstrator Project. b. The appointment of Improveasy, Next Energy, and 0800 Repair to deliver EC04, GBIS, and LA Flex. c. The availability of Your Home Better for willing to pay residents who were not eligible for grant funded schemes. <p>2. That the Partnership promote the above through their relevant networks.</p>	<p>Noted</p> <p>All</p>

	<p>3. That a way be developed to discourage traders from using the project to target residents for their own benefits.</p> <p>4. That learning from the Bristol City Leap Partnership be applied especially around contracting and social values.</p>	<p>TH/AM</p> <p>SO/CM/LME</p>
GC/10/23	<p><u>DELIVERY OF THE LOCAL AREA ENERGY PLANS</u></p> <p>1. That the proposed approach to delivering the outcomes from the GM Local Area Energy Plan be noted.</p> <p>2. That the Partnership endorsed the following:</p> <p>a. The investigation and development of outline businesses cases to accelerate inward investment.</p> <p>b. The development of regional delivery structure, operating model and required capacity.</p> <p>c. The need for additional dedicated resource to support development of new commercial and finance solutions.</p> <p>d. The GMCA submitting and acting as the accountable body for a circa £5m bid to Innovate UK Net Zero Living: Pathfinder Places, to support delivery of the above.</p> <p>3. That social barriers be addressed and learning from previous projects be adopted moving forward.</p>	<p>Noted</p> <p>Endorsed</p> <p>SO</p>
GC/11/23	<p><u>STRATEGIC TRANSPORT PLAN</u></p> <p>1. Concerns were noted around the reduction of car journeys, protecting nature and about Transport North's near zero target by 2045, which was not aligned with Greater Manchester's ambition of net zero by 2038.</p> <p>2. That the Partnership provide feedback on the Strategic Transport Plan at Strategic Transport Plan Transport for the North - Transport for the North</p> <p>3. That the presentation be received and noted.</p>	<p>PC</p> <p>All</p> <p>Noted</p>

GC/12/23	<p><u>GREEN SUMMIT</u></p> <ol style="list-style-type: none"> 1. That the Partnership noted the progress of the Green Summit 2023. 2. That the updated slide deck be shared with the Partnership. 	<p>Noted</p> <p>SM</p>
GC/13/23	<p><u>GREATER MANCHESTER LOCAL NATURE RECOVERY STRATEGY (LNRS)</u></p> <ol style="list-style-type: none"> 1. That the Partnership noted: <ol style="list-style-type: none"> a. The requirement for Greater Manchester to produce a LNRS and what it needed to contain (Sections 2 and 3 of the report). b. The governance arrangements being put in place to develop the Greater Manchester LRNS in a collaborative way (Section 4 of the report). c. The proposed timeline for developing the Greater Manchester LNRS (Section 5 of the report). d. The proposed approach and process for signing off the Greater Manchester LNRS at the consultation and final strategy stages (Section 6 of the report). 	<p>Noted</p>
GC/14/23	<p><u>DATES AND TIMES OF FUTURE MEETINGS</u></p> <p>That all meetings be held virtually unless otherwise stated on:</p> <ul style="list-style-type: none"> • 19 October 2023 at 10.30 am • 25 January 2024 at 1.00 pm • 4 April 2024 at 10.30 am 	<p>Noted</p>



Greater Manchester Green City Region Partnership

Date: 19 October 2023

Subject: Quarter 2 Progress Report – 5 Year Environment Plan (5YEP)

Report of: Mark Atherton, Director Environment, GMCA

PURPOSE OF REPORT:

The report provides the usual update on progress of the Green City Region Partnership for the second quarter of 2023/24 (Jul - Sep) and key milestones for the third quarter (Oct – Dec).

RECOMMENDATIONS:

The Partnership is recommended to:

1. Note and comment upon the progress outlined in this report and latest position set out in the dashboard attached at:
 - a. Annex 01 (5 Year Environment Plan Performance Overview) and available online at: [Five Year Environment Plan \(2019-24\) Progress \(gmtableau\)](#).

CONTACT OFFICER:

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

1. OVERVIEW OF PROGRESS

The update at Annex 01 (5 Year Environment Plan Performance Overview) contains a summary of key progress across all areas within the 5 Year Environment Plan. During the last quarter there are a number of key successes to be highlighted, set out below:

1.1 Energy

- Local Area Energy Plans (LAEPs) – Phase 2 bid submitted to Innovate UK which brings together the 3 successful phase 1 projects from GMCA, Oldham and Manchester.
- Local Energy Advice Demonstrator (LEAD) – Agency briefed for LEAD campaign with key messages and initial toolkit in development.
- DEEP Phase 3 (Heat and Energy Network Opportunity Areas) – Discussions have recommenced with UKIB regarding their involvement in funding and/or standardised commercial contracts.
- Go Neutral Smart Energy – ERDF grant funded solar PV programme completed. Wave 2 consultancy support underway. Salford portfolio reports being finalised and remaining site surveys underway.
- Smart Energy – Powering Our Schools campaign currently being developed with Districts. Financial model and assumptions agreed with finance leads. School solar calculator commissioned and nearing completion. Solar guide commissioned for NHS and leisure sectors. Collaboration opportunity with Department for Education (DfE) on hold as third-party funding route not currently a priority.
- Energy Innovation Agency (EIA) – Net zero event held, and 3 new staff members have been recruited.
- Trafford Energy Park - Investment partner secured via Schroders.

1.2 Buildings

- Social Housing Decarbonisation Fund (SHDF) – SHDF Wave 1 retrofit installations completed and lodgements well underway. SHDF Wave 2 - All 18 registered providers progressing with retrofit assessments and procurement.
- Public Sector Decarbonisation Scheme (PSDS) – PSDS 3a single-year delivery programme is now on track with circa 50% buildings complete. PSDS 3a multi-year programme and PSDS 3b continue to be delivered. PSDS 3c pipeline

development work is now complete. GMCA led consortium application being prepared for funding call - opening date 10th October. [Public Sector Decarbonising Greater Manchester](#) video completed and showcased at the Green Summit.

- Retrofit GM (Your Home Better) – Salford research findings delayed due to recruitment difficulties (final report deadline is end September). Letter campaign paused due to low level of uptake from initial tranche.
- ECO4 flex scheme (support for fuel poor/low-income households with home energy efficient upgrades) – 82 properties have received full house installs with over £2 million worth of carbon saving measures installed. GMCA led training completed with Citizen Advice, National Energy Action and Bolton Hospital. Installer led activities completed in shopping areas and health clinics. Web portal is now live.
- Net zero new development – Detailed Greater Manchester net zero standard announced at Green Summit.
- Good Landlord Scheme trainee programme - All Districts have at least one apprentice on the Regulatory Compliance Officer Apprenticeship course provided by Babington. Memoranda of understanding circulated to three Districts who are to receive funding support for development of new discretionary licensing schemes. Three officers accepted on to diploma course to study at Middlesex University.

1.3 **Transport**

- Active Bee Network - GIS network mapping to facilitate planning of future schemes complete. This has confirmed that 53.6km of 'Bee Active' Network was completed as of 1st September 2023. Of these, 2.9km was completed in quarter 2.
- Bike Hire Scheme – Recovery Plan in place to manage antisocial behaviour and repairs to maintain an acceptable level of bike availability. Target - 740 available bikes in December 2023.
- E-hubs pilot and e-scooter trial – E-hubs project closed at end of September 2023 with learnings being used to shape future Travel Hubs programme. E-scooter usage in Salford continues to grow with no major incidents.
- Bus franchising – School service successfully launched 4th September 2023. Bee Network app and [website](#) launched. Tranche 1 (Go Northwest and Diamond

Buses) commenced 24th September 2023 in Bolton, Wigan, and parts of Salford, Bury and Manchester.

- [Taxi EVI project](#) - First 10 Taxi EV sites (2 charging points each) were commissioned in late August, with several more to follow throughout September 2023. Detailed design for final Early Measures site due to be complete in September, for installation by the end of the year.
- Streets for All - Further review and re-drafting undertaken of Streets for All design guide.

1.4 Sustainable Consumption and Production

- Scope 3 emissions - Work has now been commissioned to profile the Combined Authority's carbon footprint scope 3 emissions based on the Greenhouse Gas Protocol.
- R4GM Community Fund - Welcome event held at the Re-use hub on 27th September.
- Consumer behaviour insights - Phase 1 completed which provides baseline data on general attitudes, actions and motivations to climate change and levels of understanding of key sustainable terms such as carbon neutral/net zero/circular economy. A further consumer study has been commissioned to gain insights into residents' attitudes to food waste, plastic waste and packaging and general sustainability challenges both inside and outside the home.
- Single-Use Plastics – A programme of internal communications is in development to raise awareness the Plastic Pact commitments including the action's employees can take at home and at work. Several new pages have already been created on the [GMGreenCity website](#) for signposting.
- Waste strategy – New sub-group of the Waste and Resources Strategic Officer's Group has been formed to look at the possibility of producing an Interim Waste Strategy.
- Bee Net Zero (BNZ) - 'Rooftop Revolution' business campaign launched to increase installation of rooftop solar PV. Project commenced with Trafford Council, Green Economy, Business Growth Hub, MIDAS, and Energy Innovation Agency to encourage the circa 1,200 companies in Trafford Park to decarbonise. Engagement with 8 out of 10 Districts on future Bee Net Zero collaboration and preliminary stakeholder mapping complete.

1.5 Natural Environment

- Local Nature Recovery Strategy (LNRS) – Greater Manchester State of Nature review completed. Vision and aims for the LNRS strategy have been drafted. Stakeholder engagement and communications plan agreed with specific plans being developed for high priority stakeholders e.g., farmers and land managers. Governance arrangements agreed (except for the Planning and Housing Commission).
- ELMS Test and Trial Pilots - Final project report submitted to Defra.
- Natural Course Phase 3 – Draft final report of study of micro plastic contamination of Greater Manchester rivers produced. Consultants commissioned to identify green infrastructure locations to improve contamination from road runoff; and to produce a resource for planners to deliver Water Framework Directive and River Basin Management Plan objectives. Surveys of invasive non-native species within the River Tame catchment and otter presence in tributaries of the River Mersey in South Manchester completed.
- Biodiversity Net Gain (BNG) – Nationally, mandatory BNG has been delayed by the government until January 2024, with regulations and guidance to be published in November. Preparation for off-site BNG on local authority land has continued with several sites surveyed.
- Green Spaces Fund - [Round 3 grants](#) announced with over £400,000 awarded to 16 community-led projects. So far, over £1.5 million has been allocated to 68 community-led green projects. Round 4 applications closed in September 2023.
- Greengage commissioned to carry out review of Timperley Wedge allocation within Growth Location.
- Nature for Health – Terms of reference agreed, and communication plan and vision/key messages updated.

1.6 Communications

- [Green Summit 2023](#) – Event held on 2nd October 2023 with over 1000 delegates in attendance including circa 100 young people from schools and further education colleges and over 2,000 online viewers. There were 73 exhibitors and over 80 speakers across 21 sessions. Circa 1000 individual mentions of the

#GMGreenSummit hashtag on Twitter, circa 2500 interactions with content on the website and a social media reach of over 600,000 on the day, with over 200 individual accounts contributing to the conversation. Total social media reach of the campaign over 2 million unique users across Twitter and LinkedIn. 630% increase in Green City website traffic over the 8-week event lead-up / post event period.

1.7 **Greater Manchester 5 Year Environment Plan 2024 onwards**

- Initial engagement has begun with Challenge Groups. Arup have been appointed to complete the Emissions Pathway Analysis Tool. Work is ongoing to develop sector targets and metrics.

2. **KEY ANTICIPATED ACTION IN THE NEXT QUARTER**

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

2.1 **Energy**

- Deep Phase 3 – Detailed project design to be in contract and progressing for 5 Heat Networks.
- Local Area Energy Plans (LAEPs) – Strategic Outline Business Case from GMCA phase 1 to be approved by Combined Authority.
- Go Neutral – Complete site surveys and reports for Wave 2 consultancy support. Commence procurement activity for Salford sites and commission remaining work for Stockport and Rochdale portfolios.
- Smart Energy – Launch Powering Greater Manchester (including solar schools) campaign. Develop and deliver communications plan. Scope and commission professional services to support campaign delivery.
- Energy Innovation Agency (EIA) – Develop end user pool and select projects through the Future Homes Project.
- Trafford Energy Park - Continue negotiations on Low Carbon Hydrogen with DESNZ.

2.2 Buildings

- Social Housing Decarbonisation Fund (SHDF) – Wave 1 lodgements to be completed, grant paid out to partners, press release issued, and lessons learnt captured and reported on. Wave 2 first installations and majority of retrofit assessments to be completed. Progress with design and tenant engagement milestones.
- Public Sector Decarbonisation Scheme (PSDS) – Continue work on the match funded component of the PSDS 3a single year programme and the 3a multi-year programme. 3b PSDS programme to move into design/construction phase. Submit PSDS 3c application and commence scoping of the portfolio building energy decarbonisation plans.
- Retrofit GM (Your Home Better) – Revise approach to marketing and adjust service offer based on research findings from Salford.
- ECO4 Flex scheme – Communications toolkit to be provided to all 10 Districts. 150 properties to receive whole house measures. NHS Project Manager to be in post to assist in working with GP surgeries. Embed ECO4 within the LEAD project.
- Net zero new development - Continued development of net zero homes pipeline.
- Good Landlord Scheme – Establish peer support for the 3 selected local authorities to consider the case for new discretionary licensing scheme.

2.3 Transport

- Active Bee Network – Complete additional 7 schemes on site to deliver an additional 13.1km of Bee Active Network. Commence Bolton Town Centre phase 1 and Radcliffe Centre schemes.
- Bike Hire Scheme – Progress recovery plan to control antisocial behaviour to increase number of bikes and bring stands back live.
- E-scooters – Develop evidence base to inform locations of cycle hire and e-scooters in Salford. This evidence base will go on to inform future plans for cycle hire locations to be reviewed in Spring next year.
- Bus franchising – Bus Fare Evaluation Summary report (wave 2) to be published online in Quarter 3. Proposals to be developed for the deployment of the remaining City Region Sustainable Transport Settlements (CRSTS) Zero Emissions Buses funding for Tranche 3. Tranche 2 will see a further 50 buses deployed in March 2024.

- Streets for All - Finalise design guide and governance arrangements for approval by Bee Network Committee on 23rd November. Deliver learning workshops with district officers and members and publish guide.
- Clean Air Plan – Continue to prepare additional evidence as requested by Government including detailed modelling in support of Greater Manchester’s case for an investment-led, non-charging Clean Air Plan.
- Electric Vehicle Charging Infrastructure (EVCI) – Taxi EVI project and Early Measures projects due to be substantially complete. Districts to lead further installation of charging points using Local Electric Vehicle Infrastructure (LEVI) and CRSTS funding pots.
- Freight Strategy – Incorporate freight strategy principals into Local Transport Plan (LTP) refresh.

2.4 Sustainable Consumption and Production

- Scope 3 emissions - Complete analysis and begin detailed profiling of the Authority’s spend and investments over the last four years.
- Reducing waste - Launch of R4GM textile campaign to reduce the amount of damaged clothing being disposed of in the general waste bin. Next phase of the R4GM In The Loop campaign to commence in national Recycle Week 16th to 22nd October. R4GM Household Waste Recycling Centre recycling campaign to commence aimed at better segregation, recycling, and reuse. Trial of renew pop-up shop at Cobden Street HWRC to reach more residents.
- Consumer behaviour insights - Complete consumer sustainability survey in November, with findings due to be available by early January.
- Single-Use Plastics – Launch staff communications to raise awareness of commitments under the Plastic Pact. Continue to explore potential refill/re-use pilots in Greater Manchester.
- Good Food Local – First working group meeting to be held on benchmarking local government action on food.
- Bee Net Zero (BNZ) - Launch EV campaign, hold landlord event with pro-Manchester, CBRE and Bruntwood. Progress Trafford Park project and build on improvements to the BNZ website.

2.5 **Natural Environment**

- Local Nature Recovery Strategy (LNRS) – Agree vision, aims, priorities and measures. Publish State of Nature and continue to develop habitat and core maps.
- ELMS Test and Trial Pilots – Share findings of pilot.
- Natural Course Phase 3 – Conclude study of microplastic contamination of Greater Manchester rivers and disseminate findings. Toolkit to identify green infrastructure locations to improve contamination from road runoff finalised. Resource for planners to deliver Water Framework Directive and River Basin Management Plan objectives produced. Final report on River Tame invasive non-native species and otter presence in South Manchester produced.
- Biodiversity Net Gain (BNG) – Legal/contractual arrangements in Oldham to be agreed and rollout to other Districts to commence.
- Award Green Spaces Fund round 4 grants and continue to support delivery of projects.
- Report due on review of Timperley Wedge allocation. Disseminate findings and learning to other Growth Locations

2.6 **Communications**

- Northwest Net Zero Youth Conference to take place on Saturday 25th November 2023 at Salford University led by Youth Focus North West.
- Continue to support development and roll out of the LNRS including public consultation planning for Quarter 4.
- Continue LEAD campaign including agency procurement and interim toolkit rollout.
- SHDF wave 1 and Green Summit 2023 communications follow-up.
- Launch Powering Greater Manchester (including solar schools) campaign including publishing of Powering Our Schools solar PV webpages and calculator.

2.7 **Greater Manchester 5 Year Environment Plan 2024 onwards**

- Kick off meeting and Emissions Pathway Analysis Tool to commence. Engagement will continue with the Challenge Groups with first draft plan to be completed by November 2023.

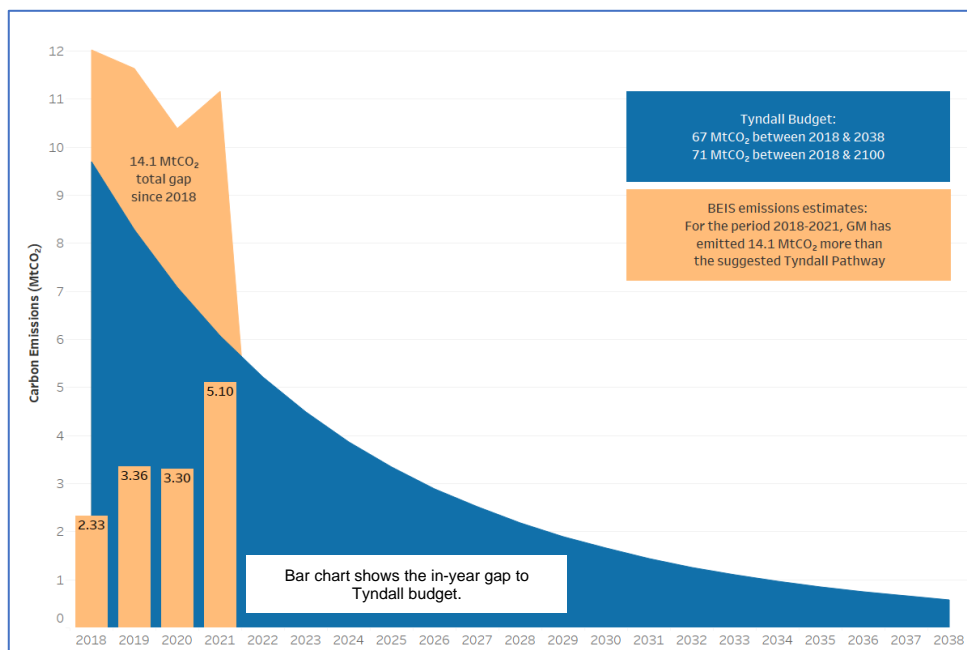
3. IDENTIFIED RISKS AND EMERGING ISSUES

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

In terms of the priorities set out in the 5 Year Plan, the following areas remain flagged as “red”.

Key risks:

- **Failure of the 5 Year Environment Plan to achieve a step change in reducing carbon emissions.** To achieve the 2038 mission, the GM 5-Year Environment Plan outlines our ‘fair’ carbon budget contribution of 67 mega tonnes for 20 years (2018-2038). The critical focus is not exceeding our total budget (67MtCO₂). From 2018 to 2021, GM’s emissions are 14.1MtCO₂ above the Tyndall budget, i.e. an additional 14.1MtCO₂ savings need to be made on top of the Tyndall budget. This gap has been increasing year on year, with new annual emissions data showing a rebound in emissions in 2021 as we emerged from the pandemic. The key point is that significant cuts must happen now. At our current rate of emissions, we will have exhausted our carbon budget within the next few years.



- **Failure to accelerate decarbonisation of buildings to meet low carbon heating targets.** Measures continue to be implemented with a focus on accelerating decarbonisation and increasing energy generation including the launch of Social Housing Decarbonisation Fund, Public Sector Decarbonisation Scheme, Go Neutral project including schools solar PV offer, and DEEP project delivery to identify Heat and Energy Network Opportunity Areas across Greater Manchester.
- **Level and depth of retrofit required to meet our overall ambitions is highly challenging.** The decarbonisation of Greater Manchester homes through deeper whole house retrofit is being mitigated by the publication of a Retrofit Report that sets the priorities and framework for action and, as part of that the Retrofit Challenge Group along with the Retrofit Taskforce is focused on delivering home and building retrofit at scale. Progress is also being made with the launch of the 'Your Home Better service' and Octopus Heat Pump offer. Greater Manchester has also joined a consortium, led by the UK Green Buildings Council including West Yorkshire, London and the West Midlands and funded by Climate-KIC to develop proposals for city-led retrofit. Additionally, the GM Skills team have produced a Skills Action Plan which with the newly actioned Low Carbon Finance Challenge Group complements the exist building and energy Challenge Groups which manage the actions arising from the Greater Manchester Retrofit Task Force, Chaired by the Mayor.
- **Failure to enhance our water bodies against level of ambition.** The GMCA, Environment Agency and United Utilities (through their Tripartite Agreement) have published an Integrated Water Management Plan to draw together a collective vision, objectives, and actions, and identify accountability and resources for delivery. The plan will deliver progressive improvements in sustainable water management, enhancement of the natural environment, accelerate natural flood management interventions and reduce the operation of storm overflows.

Previous areas flagged as “red”.

- **Failure to meet ambitious recycling and waste diversion targets.** Verified figures for 2021/22 show an increase in the recycling rate from 48.4% in 2020/21

to 51.1% in 2021/22 for Greater Manchester. The increase is down to improved recycling facilities across the network of 20 household waste recycling centres operated by SUEZ recycling and recovery UK. This includes new containers for mattresses, carpets, and hard plastics as well as containers where household items can be donated for reuse. Diversion from landfill remains at over 98%. Measures continue to be implemented to increase recycling rates at HWRCs and household kerbside recycling to deliver against 2024 target (55%). This item is now flagged as “amber”.

4.0 RECOMMENDATION

The Partnership is recommended to:

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

5 Year Environment Plan Performance Overview

Progress Status			
Area	Priorities/KPIs (to 2024)	Status	
Energy	Add at least 45MW of local renewable energy by 2024	↑	Green
	Additional 10TWh of low carbon heating by 2024	↔	Red
	Add at least a further 45MW of diverse and flexible load by 2024.	↔	Green
Buildings	Retrofit 61,000 homes/year (target 305,000 by 2024, 887,000 in total)	↑	Red
	Build 30,000 net zero carbon social rented homes by 2038.	↑	Green
	Reduce heat demand from existing commercial and public buildings	↑	Amber
SCP	38% reduction in industrial emission by 2025.	↓	Amber
	Limiting any increase in waste to 20%.	↑	Green
	Achieve a recycling rate of 55% by 2024, and 65% by 2035.	↑	Amber
Natural Env.	Managing our land sustainably, including planting 1m trees by 2024.	↔	Green
	Managing our water and its environment sustainably.	↑	Red
	Achieving a net gain in biodiversity for new development.	↑	Amber
	Increasing investment into our natural environment.	↑	Green
	Increasing our engagement with our natural environment - Number of Volunteers.	↔	Green
Transport	Reduce car use to no more than 50% of daily GM trips, by 2040 (remaining 50% to be public, or active travel)	↓	Amber
	Support expansion to 200,000 EVs in city region by 2024	↑	Green

2038 Carbon Target	Costs	Resources	Overall Delivery	Risk
Red	Green	Green	Amber	Amber

Key Risks			
Risk Event	Risk	Mitigation Plan	Post Risk
Failure of Environment Plan to achieve a step change in carbon emissions.	Red	Regular reporting to Greater Manchester Green City Region Partnership Board and WLT.	Amber
Level and depth of retrofit required to meet our overall ambitions is highly challenging.	Red	Focus on retrofit accelerator proposals as way of overcoming these barriers in a coordinated way.	Amber
Failure to enhance our water bodies against level of ambition.	Red	Intergrated water plan in place to deliver progressive improvements.	Amber
Failure to add an additional 10TWh of low carbon heating by 2024	Red	Focus on acceleration of Retrofit including the launch of the 'Your Home Better' service, Octopus Heat Pump offer and DEEP project delivery.	Amber

About this dashboard

Greater Manchester faces major environmental challenges that threaten the health and prosperity of our region. We are taking action with the Five-Year Environment Plan, launched in March 2019. The plan sets out our long-term environmental vision – to be carbon neutral by 2038 – and the urgent actions we all need to take between 2019 and 2024 to help achieve this. [You can find the plan here.](#)

This dashboard keeps track of our progress against those actions. It is divided into six pages, with a page dedicated to evaluating progress in each of the plan's priority areas. You can use the menu in the top left to navigate between them, or click on the links in the box below. For more on the data used within each screen, click on the info icon in the top right of each box (eg see the one on this box).

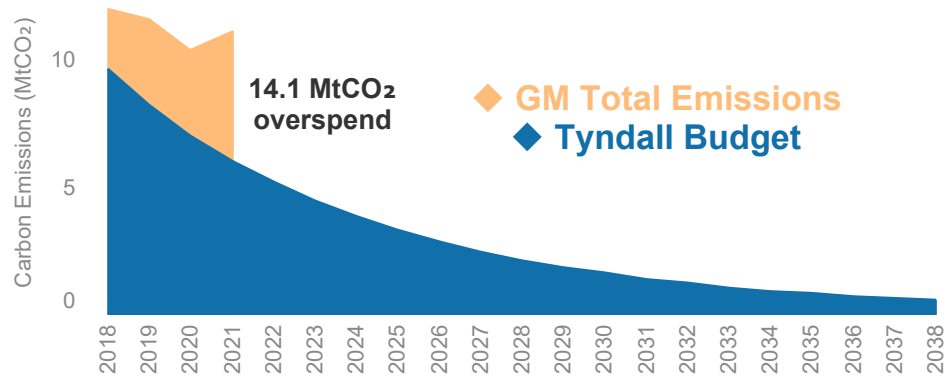
What targets are in the 5YEP and which are being tracked here? (click icon to navigate to page)

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Category	Icon	Target	Tracking Status
Emissions		Goal: Be carbon-neutral by 2038	See 'Emissions' page
Energy		E1: Increase local renewable energy (electricity) generation, adding at least 45MW by 2024	See 'Energy' page
		E2: Decarbonise how we heat buildings, adding at least 10TWh of low carbon heating by 2024	See 'Energy' page
		E3: Increase diversity & flexibility of electricity supply, adding at least 45MW of diverse & flexible load by 2024	See 'Energy' page
Transport		T1: Increase use of public transport and active travel, with car use reduced to less than 50% of daily GM trips by 2040	See 'Transport' page
		T2: Phase out fossil-fuelled private vehicles for zero emission (tailpipe) alternatives, with 200,000 EVs in GM by 2024	See 'Transport' page
		T3: Tackle the most polluting vehicles on our roads	In development
		T4: Establish a zero emissions bus fleet, with all buses zero emissions (tailpipe) by 2035	See GMS dashboard
		T5: Decarbonising freight transport and shifting freight to rail and water transport	In development
Buildings		B1: Reduce heat demand from existing homes by retrofitting 61,000 homes per year	See 'Homes' page
		B2: Reduce heat demand from existing commercial and public buildings by 10% by 2025	In development
		B3: Reduce heat demand in new buildings, with all new development net zero carbon by 2028	In development
SCP		SCP1: Produce goods more sustainably, reducing emissions from industry by 38% by 2025 compared to 2018 levels	See 'SCP' page
		SCP2: Become more responsible consumers, with 2024 waste production increased by no more than 20% from 2018	See 'SCP' page
		SCP3: Manage our waste as sustainably as possible, achieving a recycling rate of 55% by 2024	See 'SCP' page
		SCP4: Reduce unnecessary food waste	In development
Natural Environment		NE1: Manage our land sustainably, including planting 1m trees by 2024 and improving greenspace for nature	See 'Natural Env.' page
		NE2: Manage our water and its environment sustainably, enhancing 542km of waterways by 2027	See 'Natural Env.' page
		NE3: Achieve a net gain in biodiversity for new development	In development
		NE4: Increase investment into our natural environment	In development
		NE5: Increase engagement with our natural environment, through volunteering and access to local greenspace	See 'Natural Env.' page

All

How is GM progressing against the 2038 carbon budget?

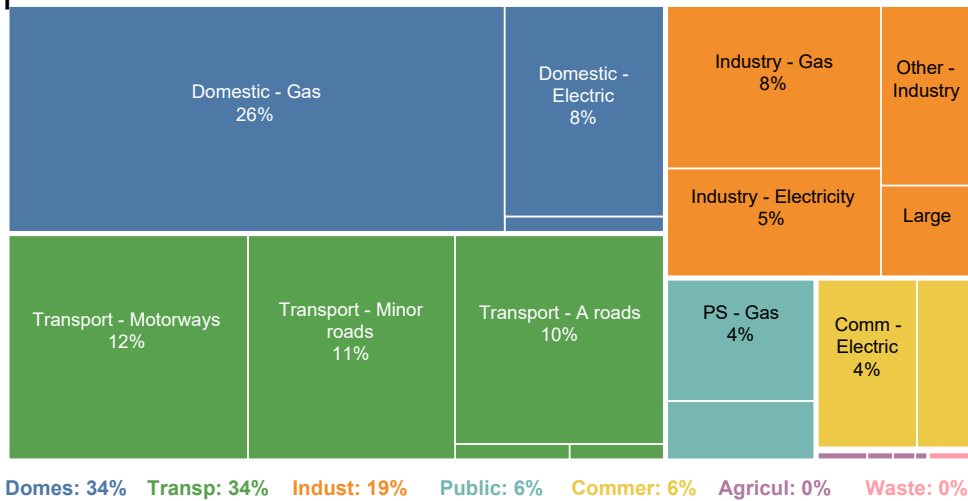


What is GM's 'business as usual' emissions forecast?

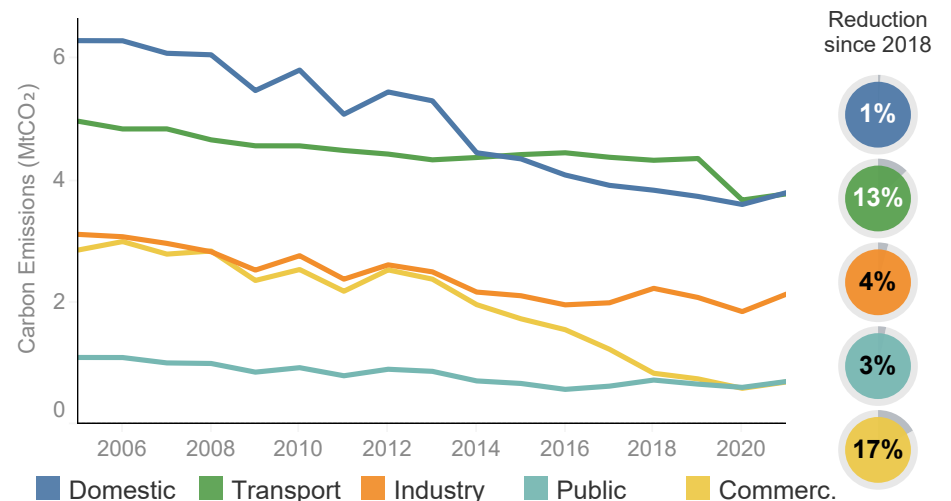


In development

Where are our emissions coming from?



How have our emissions changed over time?

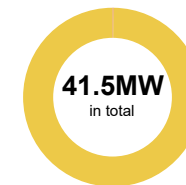
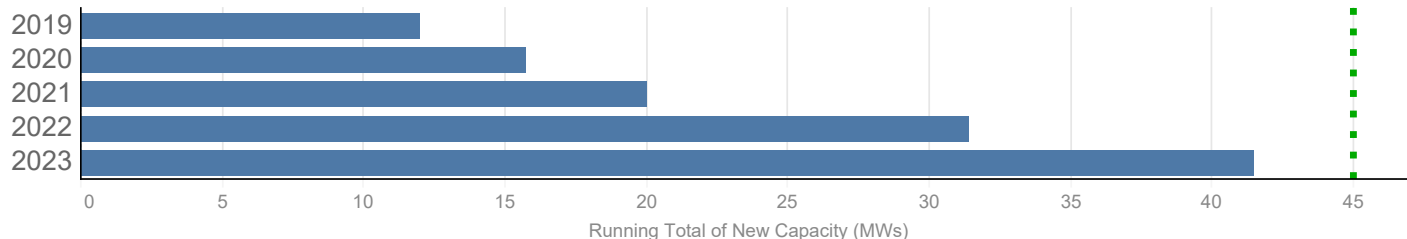


Greater Manchester's Energy Supply

Choose which local authorities to focus on: Greater Manchester

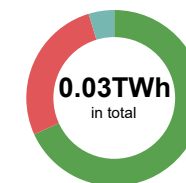
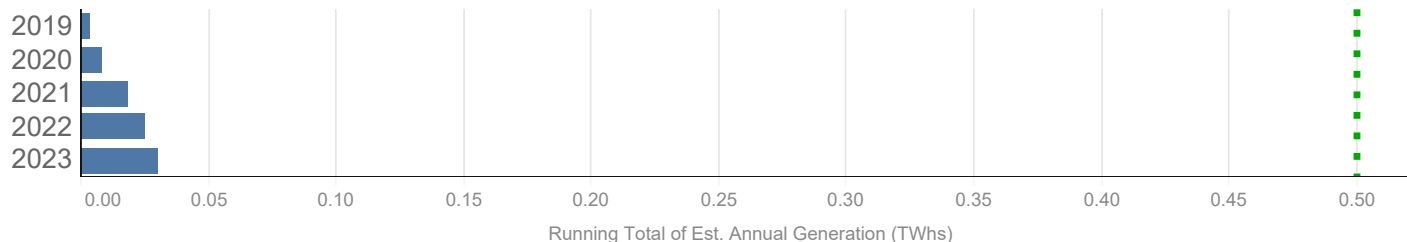
◆ Operational ◆ Under Construction - - - Target

E1: Increase local renewable energy (electricity) generation, adding at least 45MW by 2024



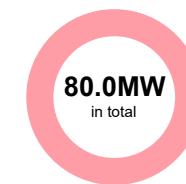
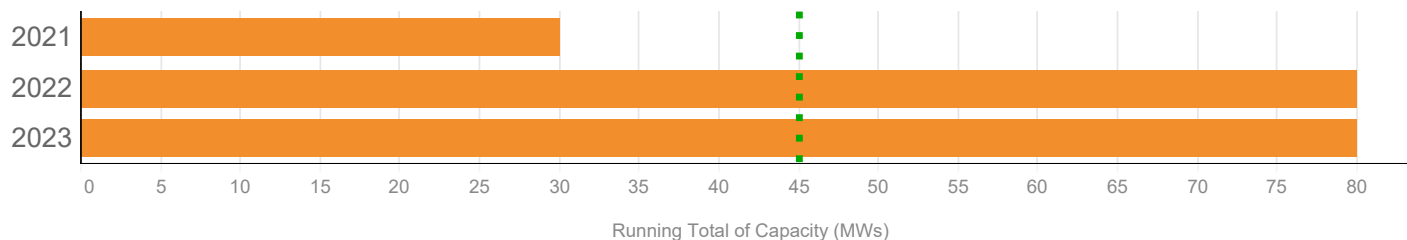
◆ Solar Photovoltaic

E2: Decarbonise how we heat buildings, adding at least 10TWh of low carbon heating by 2024



◆ Ground/Water SHP ◆ Solar Thermal ◆ Air SHP

E3: Increase diversity & flexibility of electricity supply, adding at least 45MW of diverse & flexible load by 2024



◆ Battery

Journey mode

Journey quarter

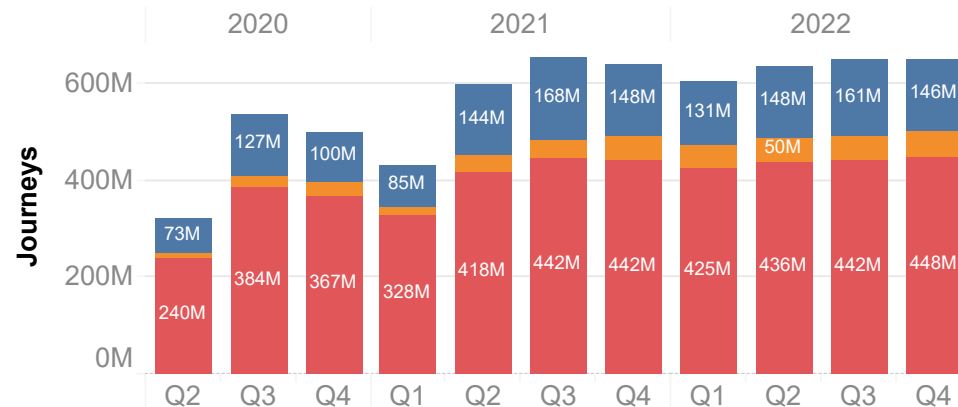
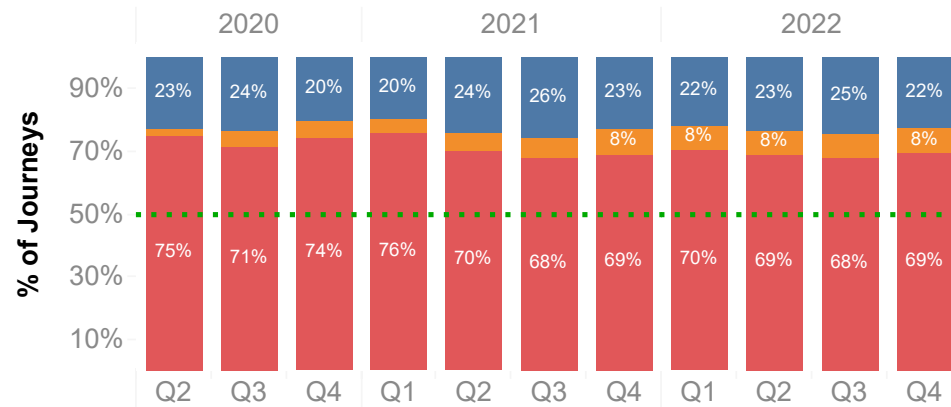
All

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T1: Reduce car use to no more than 50% of daily GM trips by 2040 (with the remaining 50% made up of public and active travel)

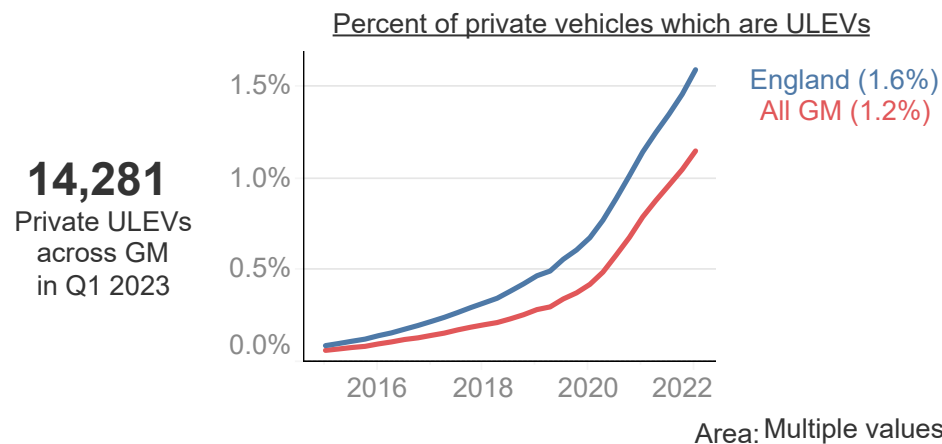


Active travel Public transport Road transport

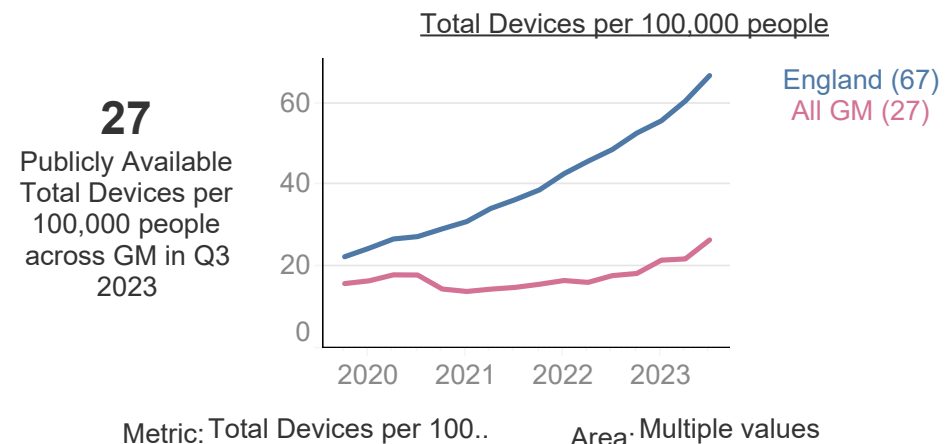


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T2: Support expansion to 200,000 EVs in GM by 2024



T2: Increase the number of publicly accessible EV charging points



Local Authority

Tenure

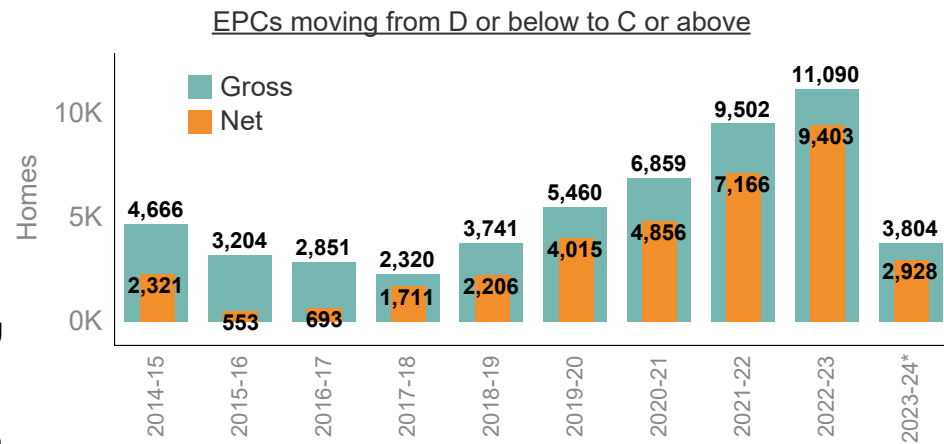
Property Type

All

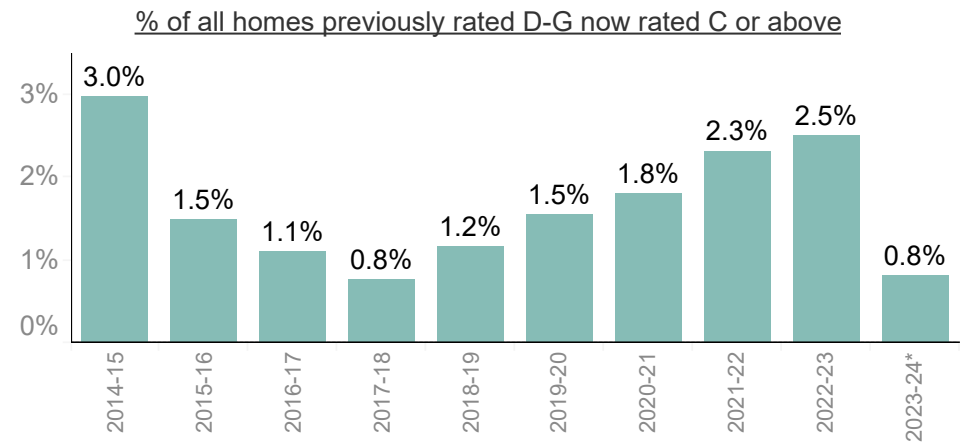
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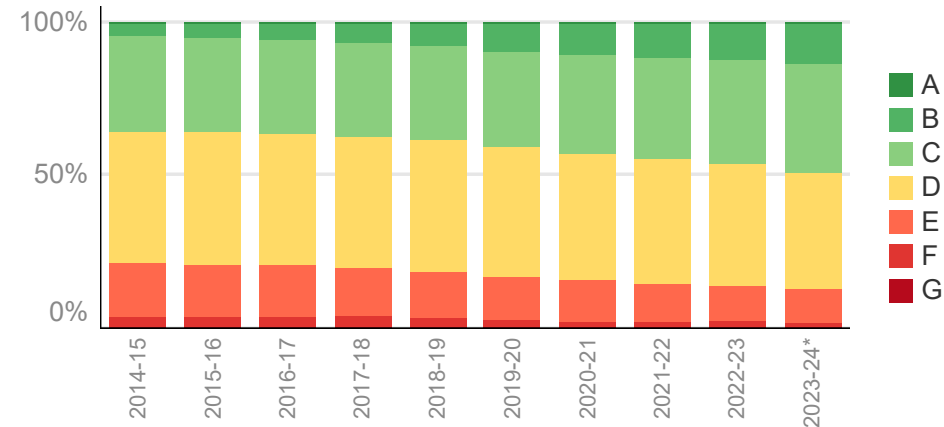
B1: Retrofit 61,000 homes per year (305,000 by 2024)



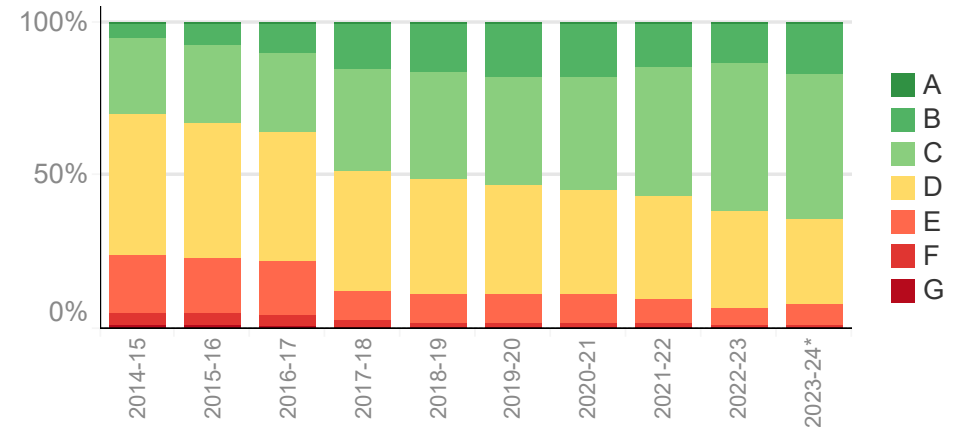
What proportion of inefficient homes are improving each year?



Proportion of EPC certificates in each band (all EPCs to date)

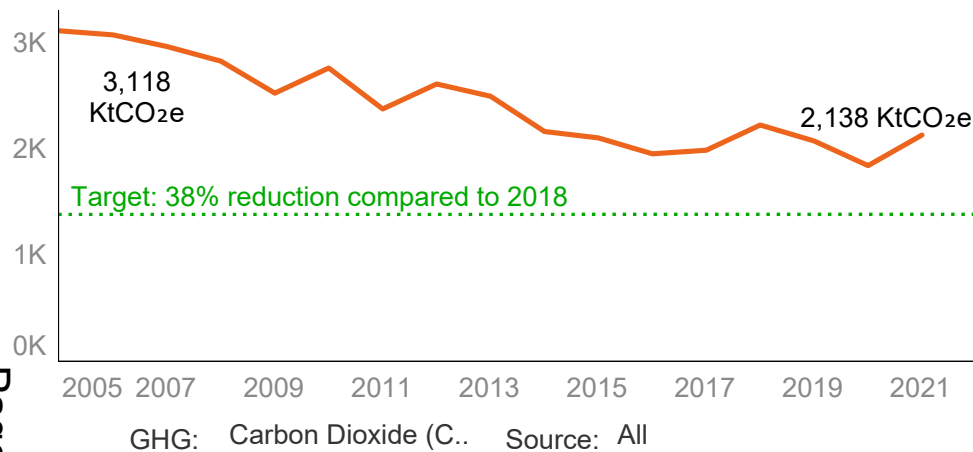


Proportion of EPC certificates in each band (registered in that year)

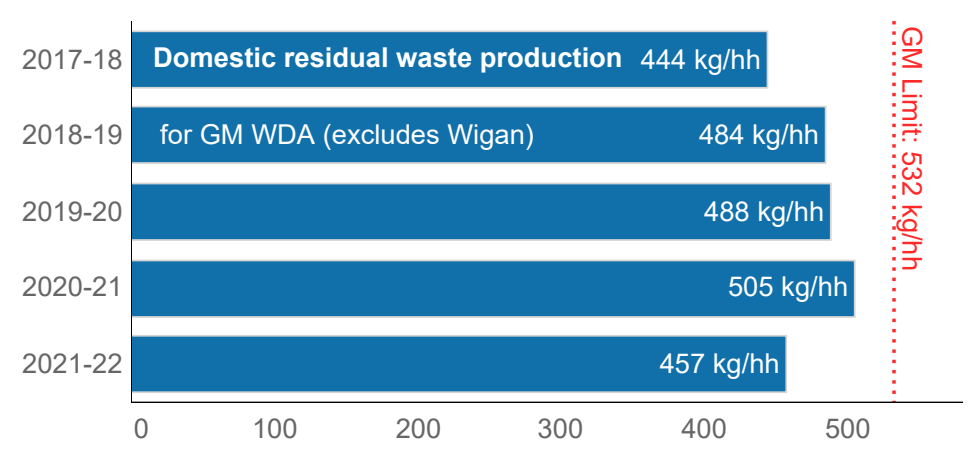


Filter data by area: Greater Manchester

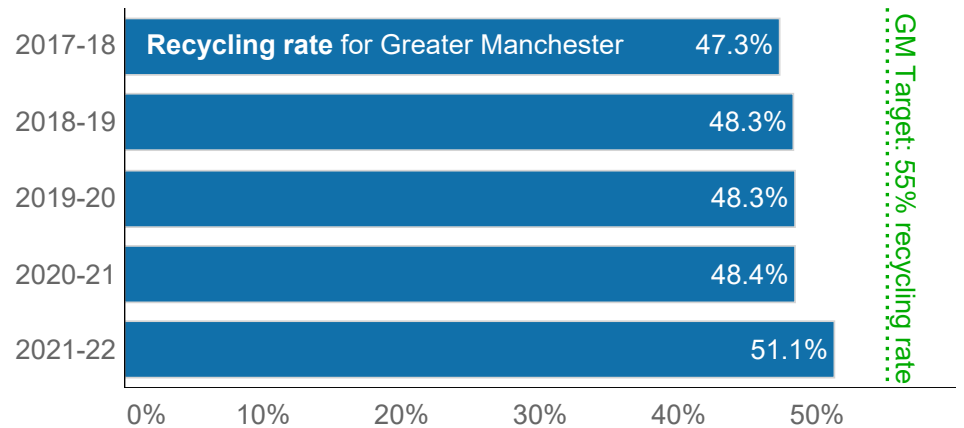
SCP1: Reduce industrial emissions by 38% by 2025



SCP2: Limit any increase in 2018 levels of waste to 20% by 2024



SCP3: Achieve a recycling rate of 55% by 2024

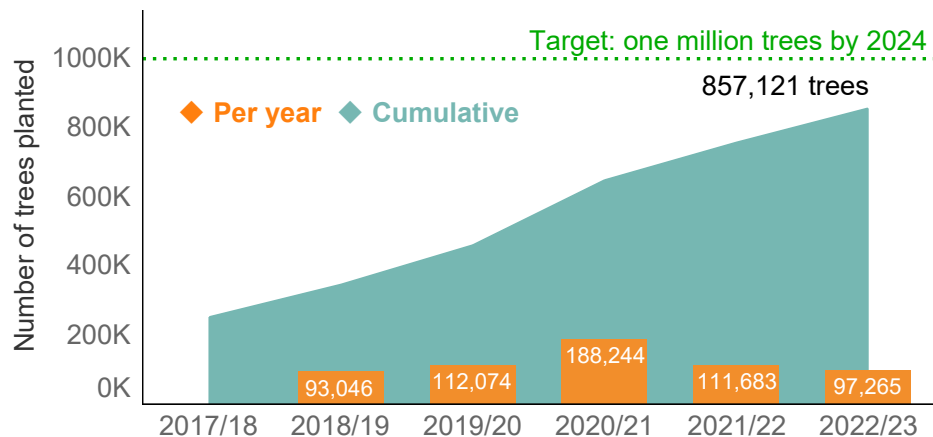


In development

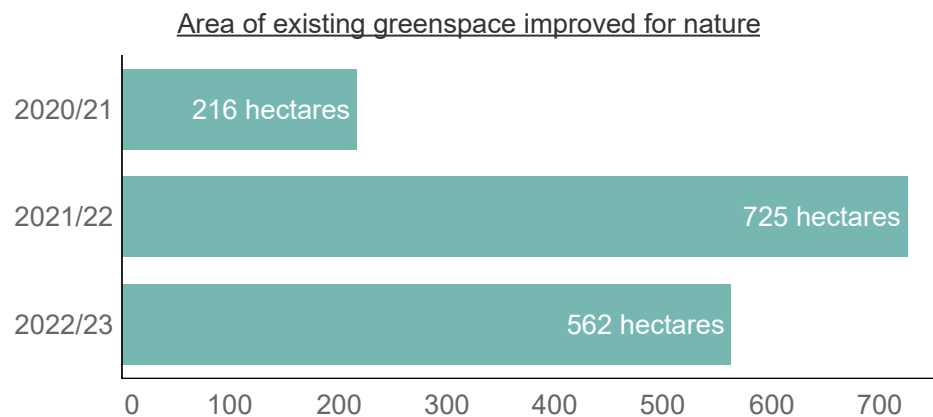


In development

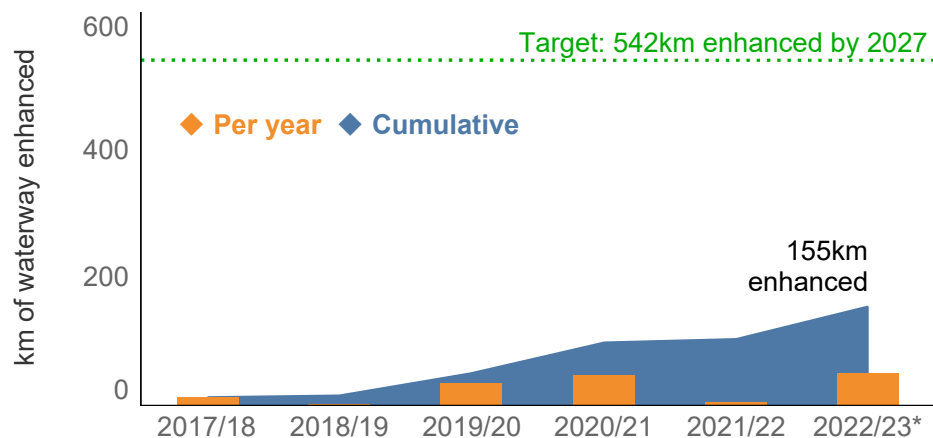
NE1: Plant one million trees by 2024



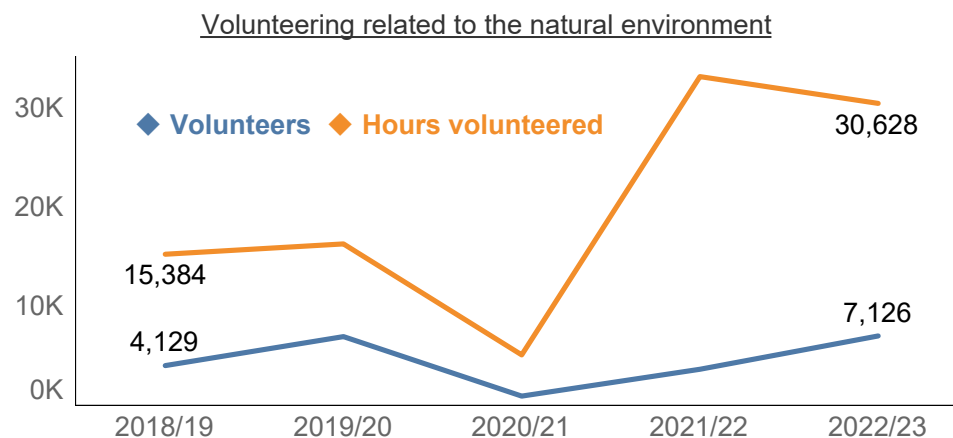
NE1: Improve existing areas of greenspace for nature



NE2: Enhance 542km of waterways by 2027



NE5: Increase engagement with natural environment





Greater Manchester Green City Region Partnership

Date: 19 October 2023

Subject: Challenge Group Updates

Report of: Challenge Group Chairs/Vice 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 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.
- Consider any particular issues raised by the challenge group chairs or vice chairs.

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BOLTON
BURY

MANCHESTER
OLDHAM

ROCHDALE
SALFORD

STOCKPORT
TAMESIDE

TRAFFORD
WIGAN

1.0 INTRODUCTIONS

- The purpose of the Challenge Groups is:
- Deliver the 5YEP work programme
- Report back on progress and key challenges/barriers to the Green City Region Partnership
- Utilise lobbying/influencing function when appropriate to drive agenda.
- Work in collaboration with other challenge groups to identify cross cutting issues.

An update on the progress towards the Five Year Environment Plan has been presented at all of the challenge groups.

All the Challenge Groups took part in a plenary session with Councillor Ross at the Green Summit discussing the progress made so far against the 5YEP and what needs to be done to go further. There were also a number of workshops focused on specific topics within the challenge groups.

2.0 GREEN COMMUNICATION DELIVERY CHALLENGE GROUP

Topics discussed

Since the last partnership meeting the challenge group has continued its work on two main work streams

- 1) Audience mapping – a GM mapping document has been produced to understand the reach of the reach of the challenge group and the different communication and engagement activities with different audiences.
- 2) Campaign sharing and amplification – a document has been developed to track all partners campaigns.

Challenges/opportunities raised

- Sharing partner's upcoming campaigns, events and good news stories to amplify reach.

Future priorities/work/topics

- Supporting 5YEP communications
- Ongoing development of the audience mapping to inform future communications.
- Continuing to utilise each other's channels and networks to amplify communications.
- Set up a task and finish group to develop a 'positive news stories pack' of successful projects across GM.

3.0 LOW CARBON

Topics discussed

The last meeting of the challenge group focused on transport and exploring links with the low carbon challenge group.

This included presentations on:

- Bee Net Zero EV Campaign
- TfGM deep dive covering the Bee Network, EVCI delivery, car clubs 2040 strategy delivery, GM Bus Strategy, Streets for all Design Guide, CRSTS Delivery, cycle hire, bus fare offers evaluation and the active travel mission refresh.

Challenges/opportunities raised

- Offers of support were given on the EV campaign to explore options at partner organisations.
- A call out was given for case studies to include as part of the EV campaign.
- The potential to link in transport with energy infrastructure development was identified as an issue to explore.

Future priorities/work/topics

Retrofit and decarbonisation of heat were identified as the key areas of challenge to explore at future meetings.

4.0 NATURAL CAPITAL GROUP

Topics discussed

The Natural Capital Executive Group's recent meeting included presentations on

- 5 Year Environment Plan 24-29
- Local Nature Recovery Strategy
- Biodiversity Net Gain
- Urban Greening Factor Policy

Challenges/opportunities raised

- The need to ensure the LNRS and 5YEP are linked up and that the role of each is clearly defined.
- To ensure that natural environment and nature recovery is highlighted alongside carbon reduction in the next Five Year Environment Plan.
- GM Environment Trust has been established and its future viability will be linked to establishing a biodiversity net gain system in GM.

Future priorities/work/topics

- An item of peat will be picked up at a future meeting.
- A listening event/workshop will be held on the Five Year Environment Plan

5.0 SUSTAINABLE CONSUMPTION AND PRODUCTION

Topics discussed

At the last meeting the Challenge Group had updates on the following items;

- Behaviours Insights from Public First. The results were shared from the initial focus groups and the plan for the poll was presented.
- Single Use Plastics Task and Finish Group with the Local Authorities.
- GM Fashion and Textiles from MMU

Challenges/opportunities raised

A discussion was held on the new subgroups that are being set up with an ask made to members to consider which task and finish group they would like to join. The membership for the following groups is currently being determined and meetings will be held ahead of the next Challenge Group meeting,

- Plastics
- Food waste
- Behaviour Change

Overall, there are now 4 Task and Finish Group with the most advanced being the GM Sustainable Textiles and Fashion Group, which has identified core priorities for the shift to a more circular economy of textiles focusing on:

- Reduced fashion consumption – promotion of higher quality more durable goods
- More effective utilisation of post-consumer waste (PCW) fashion

Future priorities/work/topics

The next meeting will pick up the next steps for the sub groups.

6.0 FIVE YEAR ENVIRONMENT PLAN FORUM

Topics discussed

The last meeting of the Forum included presentations on

- GM Bus Plan
- Truly Affordable Net Zero Homes
- Green Summit
- Behaviour Insights

Challenges/opportunities raised

- Discussion around how to improve communications based on behaviour insights.
- The need for an element on overall education on climate change being incorporated into communications strategies and stories.

Future priorities/work/topics

- Workshop to be held to input into the development of the next Five Year Environment.
- Explore engagement/co-creation principles in project design.
- Offer to support engagement strategy development/testing with communications group as they develop messaging with each challenge area.
- Greenwash free city initiatives.

Work Programme Update

Item 6a

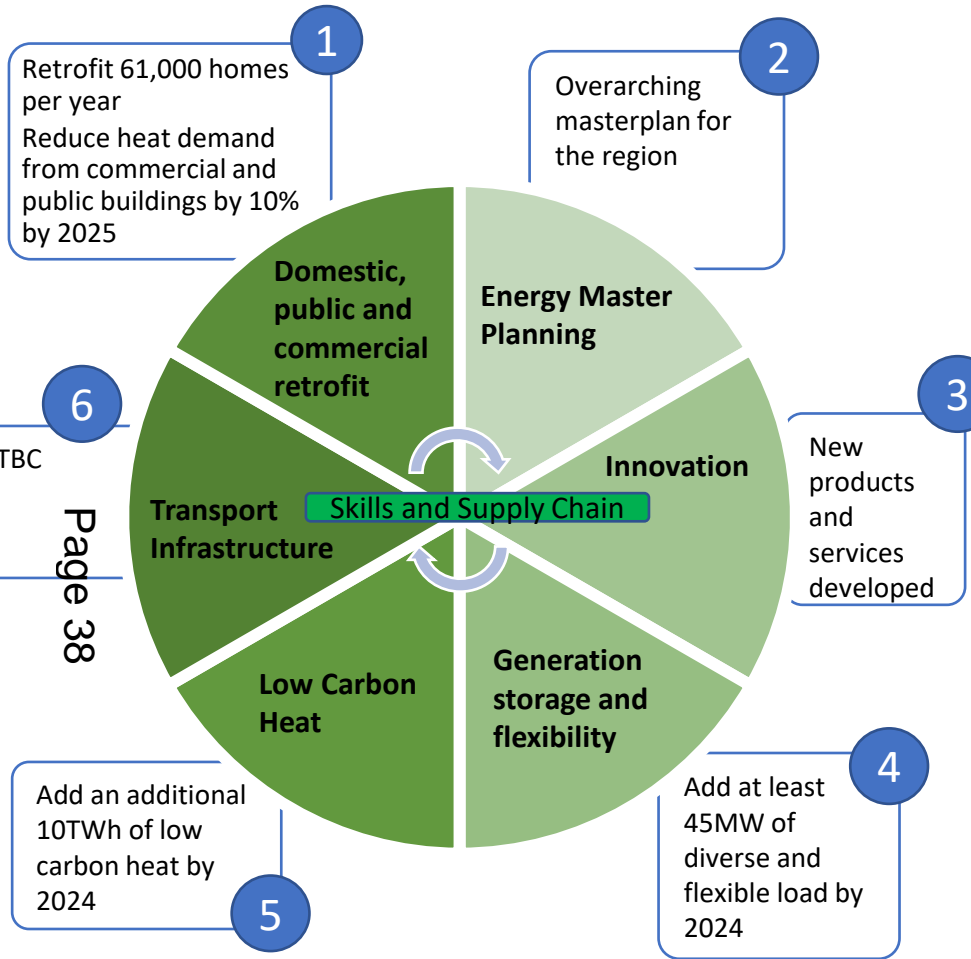
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#GMGreencity

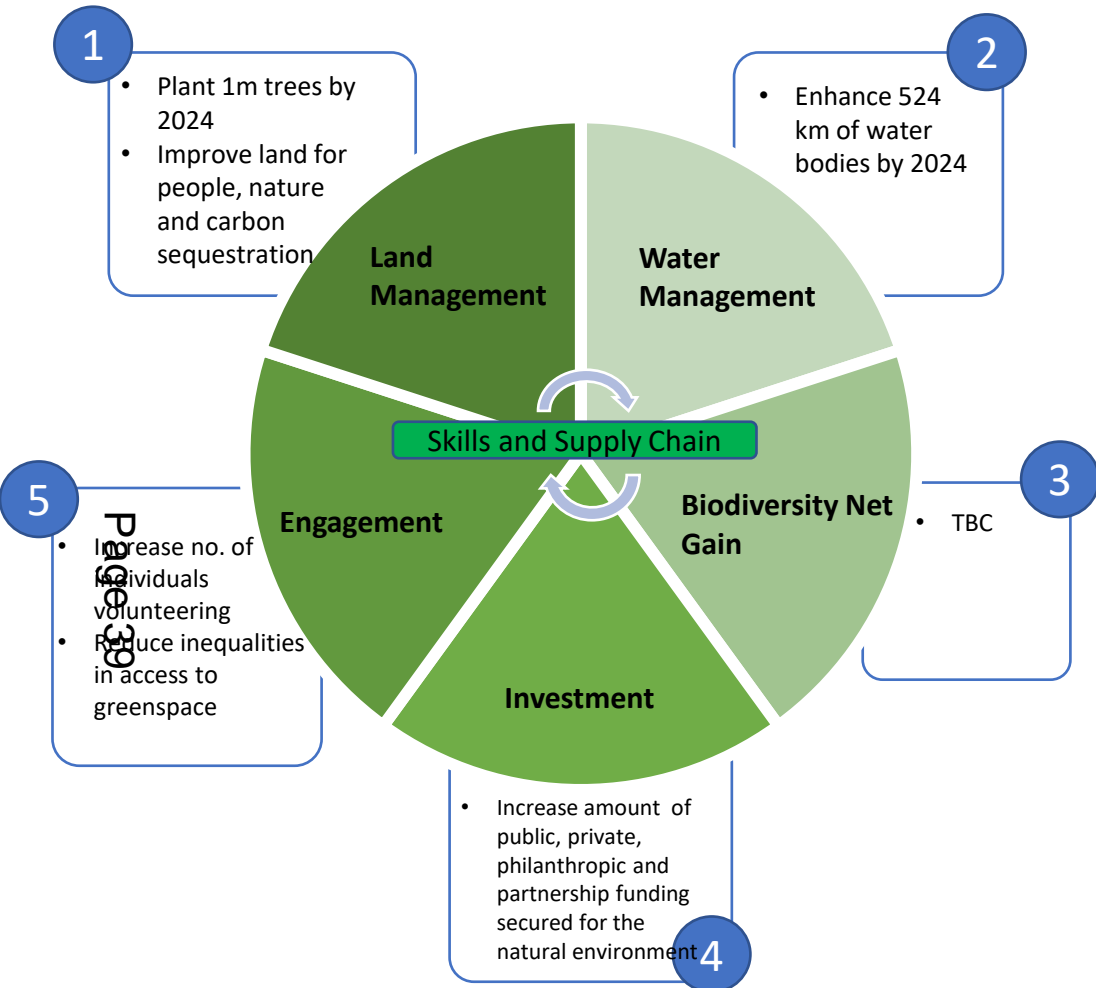
**GREATER
MANCHESTER**
DOING THINGS DIFFERENTLY

Low Carbon



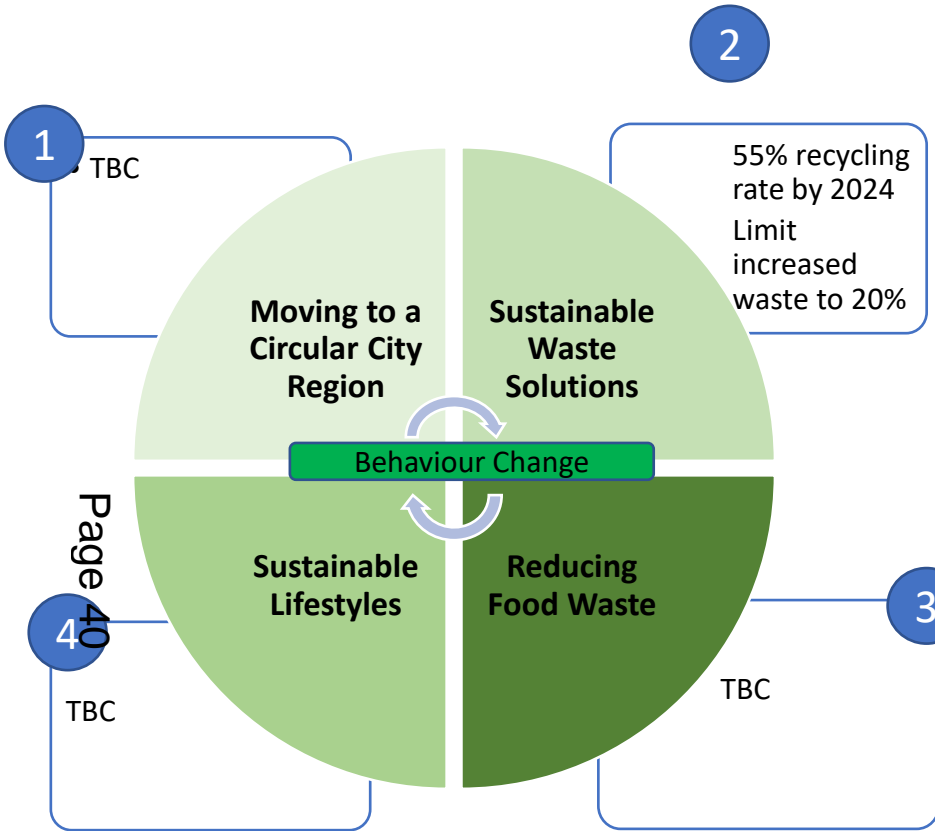
Project/Task & Finish Group	Lead	Priority	Deliverable	RAG
Your Home, Better	GMCA/Retrofit Works	1	Deliver able to pay retrofit scheme	Yellow
Retrofit Skills T&F	UoS/ Retrofit Taskforce	1	Deliver skills plan for retrofit	Green
Retrofit Finance T&F	GFI/Retrofit Taskforce	1	Work with the retrofit taskforce to deliver finance plan for retrofit	Green
Local Energy Advice Demonstrator	GMCA	1	Deliver energy advice service to residents	Green
Social Housing Decarbonisation Fund Wave 1,2	GMCA/RPs	1	Deliver retrofit measures to 1286 properties wave 1, 23/24 40% of grant funding wave 2	Yellow
ECO 4	GMCA`	1	Deliver whole house retrofit to circa 600 fuel poor/low income homes	Yellow
ERDF Homes as Energy systems	Procure Plus	1	Deliver energy efficiency and technologies measures to GM homes	Green
People Powered Retrofit – One Stop Shop	Carbon Coop	1	Launch of offer for early adopter, owner occupier able to pay	Green
Public Sector Decarbonisation Scheme 3a single/multi and 3b	DoPE Group	1	Complete retrofit measures of public buildings	Green
Commercial buildings	Bruntwood/MCCA	1	Engage with commercial building partners to deliver retrofit programme	Yellow
Energy Innovation Agency (EIA)	Universities/Bruntwood/SSE/GMCA/ Hitachi	3	Support businesses and bring new technologies to market	Green
Hydrogen Fuel cell	MMU/Cadent	3	Explore hydrogen fuel cell innovation	Green
Trafford Energy Park	Carlton Power	3	Local green hydrogen production	Green
Go Neutral & schools solar PV	GMCA	4	Develop pipeline to deliver 85MW of Solar PV	Yellow
Faith community energy	Diocese of Salford	4	Deliver renewable energy and decarbonisation of faith buildings	Green
Heat Pump Offer	Octopus	5	Heat Pump offer for households	Yellow
CDDP 4	AECOM	6	4 outline business cases to deploy decarbonised heat	Green

Natural Environment



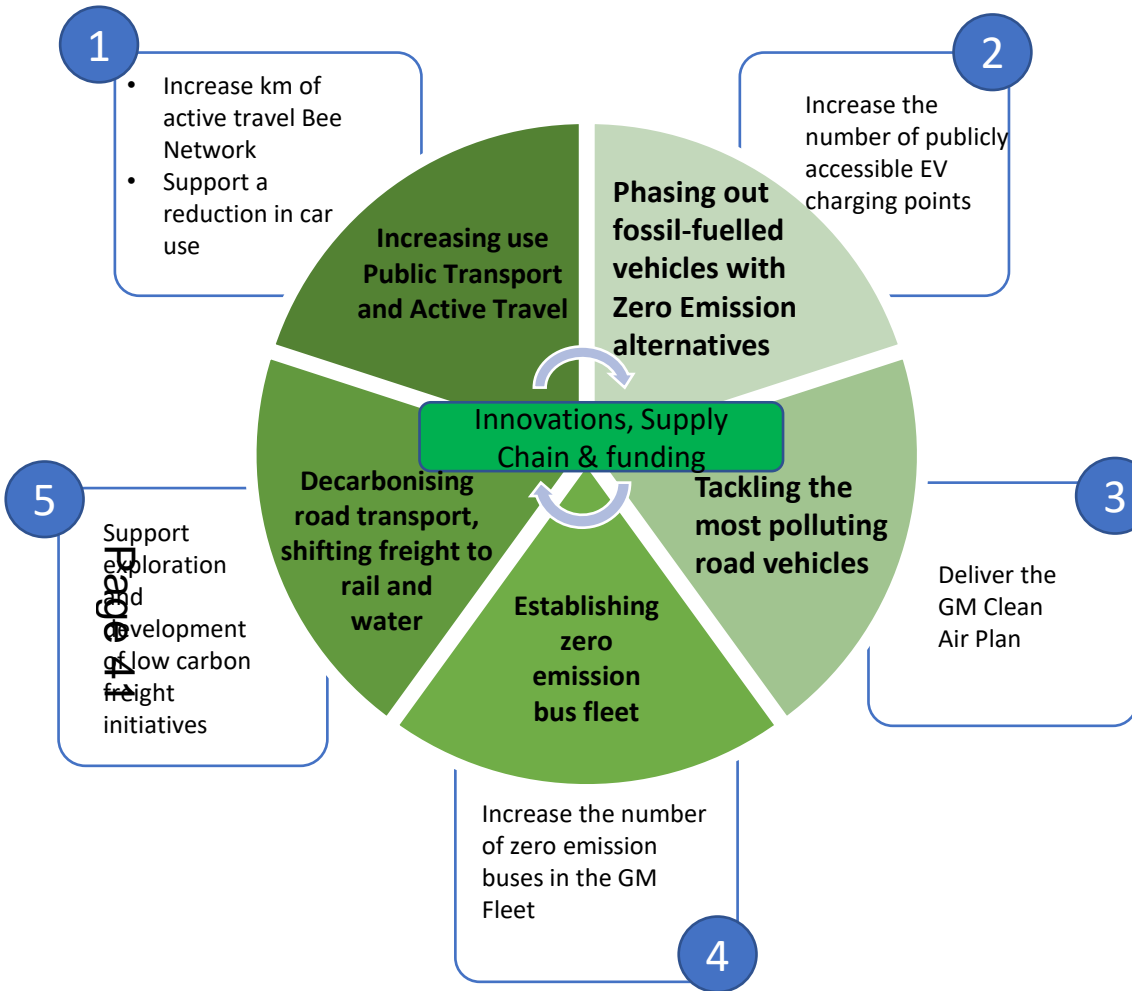
Project/ Task	Organisation	5YEP KPI	Deliverable	RAG
GM Tree and Woodland Strategy	City of Trees	1	Increased tree cover and benefits provided by them, through planting 1m trees by 2024	
Peatland restoration	Natural England	1	Re-run the state of the bog work (uplands) Re-run the peat pilot (lowlands)	
Natural Course	GMCA/EA	2	Develop next stage of INNS following 2022 survey Deliver survey on distribution of otters Deliver microplastic study	
Biodiversity Net Gain (BNG)	GMEU	3	Prepare for and support the districts to deliver BNG.	
Local Nature Recovery Strategy	GMCA	3	Scope and develop Local Nature Recover Strategy	
Nature Based Solutions Delivery	GMCA		Assembly of funding to take forward delivery of SuDS Retrofit on public estate (Project Raincoat) Walkden SUDS Neighbourhood detailed design and begin construction SUDS Design Guide (TfGM)	
GM Environment Fund and Green Spaces Fund	GMET	4	Support organisations delivering Green Spaces Fund projects and launch round 3	
			Increase public, private and philanthropic and partnership funding	
Natural Environment Social Prescribing activity	GMHSCP	5	Increased number of individuals volunteering and with access to green space, facilitated by a programme of green social prescribing	

Sustainable Consumption and Production



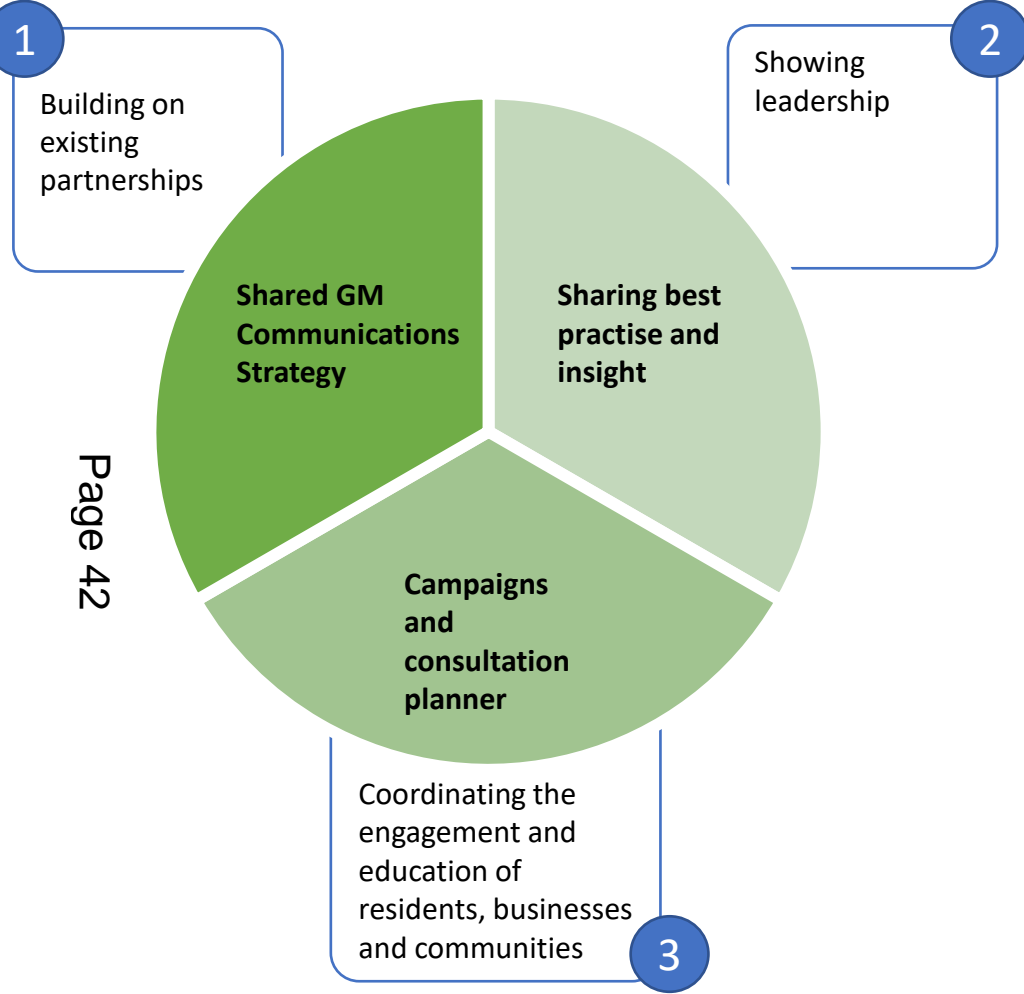
Project/ Task	Lead	5YEP KPI	Deliverable	RAG
Sustainable Procurement	GMCA	1	Work with procurement team to develop sustainable procurement practices	
Scope 3 emissions	GMCA/LAs	1	Work with LAs on scope 3 emissions plan	
CIRCuit: CE in the Built Environment	ReLondon	1	Deliver innovation interventions looking at circular economy in the built environment	
Resource/consumption mapping (textiles)	MMU	1	Support delivery of textiles sub groups - data mapping, recyclables, productions	
Food roadmap and strategy	GM Food Board	3	Development of food vision and toolkit	
Net Zero Business support programme	Growth Co	4	Support business net zero development	
R4GM	GMCA	4	Deliver waste recycling/Reduction campaigns	
Single Use Plastics	GMCA/LAs	4	Work with local authorities to reduce sups	
Behaviour Insights	GMCA/TfGM	4	Deliver behavioural insights work to inform sustainable lifestyles	
Bee Net Zero	GM LEP	4	Deliver a programme of business support	
Roll out programme of carbon literacy	Carbon Literacy Trust	4	Deliver carbon literacy courses	

Transport



Project/Task	Lead	5YEP priority/KPI	Outcome	RAG
Active Travel Bee Network	TfGM	1	To provide cycling and walking routes to get people moving	
GM Bike Hire Scheme	TfGM	1	Promotes and supports modal shift to encourage more walking, cycling and "active" lifestyles	
E-Hubs Pilot – cargo bikes	TfGM	1	To pilot the use of cargo bikes	Complete
E-scooter trials	TfGM	1	Part of DfT trial to see how e-scooter rental schemes can be successfully operated in the UK	
ZEBRA funding	TfGM	2	Introduction of 170 zero emission buses and new electric depot in Stockport	
CRSTS funding	TfGM	2	A third of the bus fleet as zero emission by 2027.	
Clean Commercial vehicle fund: HGV – replacement and retrofit	TfGM	3	Clean Air Plan fund to replace or retrofit HGV vehicles that are not compliant with clean air standards	
Clean Bus Fund: replacement and retrofit	TfGM	3	replace or retrofit buses that are not compliant with clean air standards	
Deliver the GM Clean Air Plan	TfGM	3	tackle NO2 Exceedances at the Roadside by 2026	
EV charging network to support 200k vehicles	TfGM	4	Increased number of publicly owned EV connectors in GM	
Establish how the public sector can best influence the rollout of EVC	TfGM	4	Commission Greater Manchester EVC Study	Complete
Incorporation of Freight Strategy principles and objectives into the next LTP	TfGM	5	Support exploration and development of low carbon freight initiatives	

Green Communications Delivery



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Project/Task	Lead	5YEP KPI	Deliverable	RAG
Deliver on shared GM Communications strategy	GMCA	1	Continued sharing / alignment of campaigns across the group	
Map audiences / reach of the challenge group	Challenge group partners	1	Task and finish group set up	
Review green city region shared channels and make recommendations	GMCA/ Challenge group partners	1	Newsletter produced with updated branding, review of social media and website completed.	
Support listening events by supporting events in own organisations	All	1		
Local Energy Advice Demonstrator: external facing campaign targeting different resident audiences. Will incorporate ECO and Your Home Better.	GMCA	3	Campaign look and feel, partner communications toolkit, advertising.	
Powering Greater Manchester: external facing campaign targeting audience groups based on their circumstances (e.g. schools, commercial building owners etc), helping them switch to low carbon energy.	GMCA	3	Campaign look and feel, partner comms toolkit.	
Local Nature Recovery Strategy: campaign driving key stakeholder groups to engage with the development of the LNRS, alongside championing those already setting the standard for nature recovery.	GMCA	3	Campaign social content, case studies, stakeholder update newsletters, project blogs.	

GREATER MANCHESTER

DOING THINGS DIFFERENTLY

@GM GreenCity | #GMGreenCity

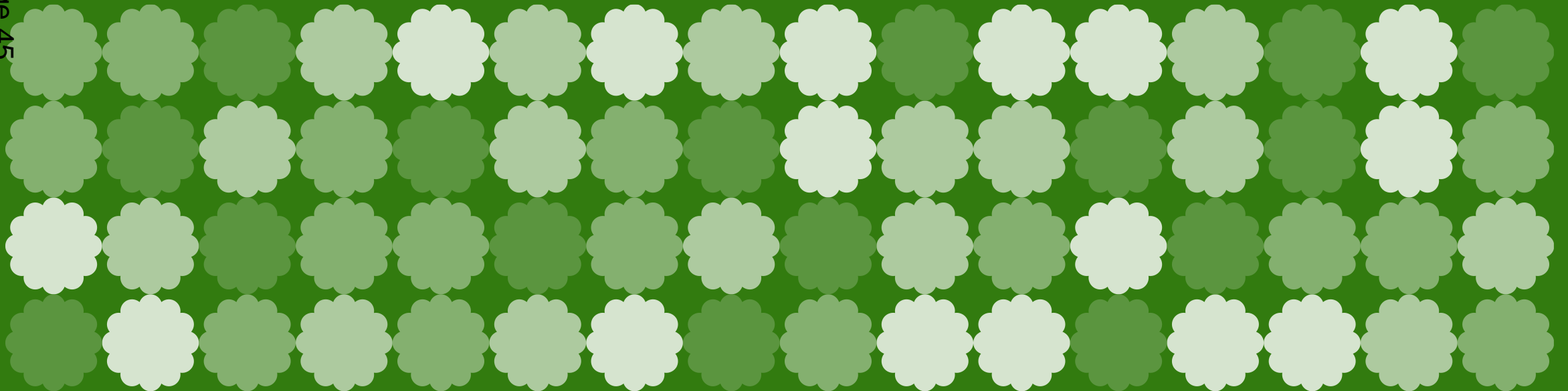
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Five Year Environment Plan

Item 8

**Green Summit, behaviour insights,
overview and timeline, emissions pathway**

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Agenda Item 8

GREATER MANCHESTER

DOING THINGS DIFFERENTLY FOR THE ENVIRONMENT

**1000+ delegates
and 2000+
online viewers**



making Green Summit 2023 the
busiest and most collaborative yet.

**Over 80
speakers and
21 sessions**



covering where we are
now, where we need to
be and how we might
get there.

#GMGreenSummit 2023 in numbers...

**70+
exhibitors**



sharing ideas and
solutions to help
accelerate change.

**100+ young
people from
schools and
colleges**



offering fresh perspectives
on how to tackle the
challenges facing us.

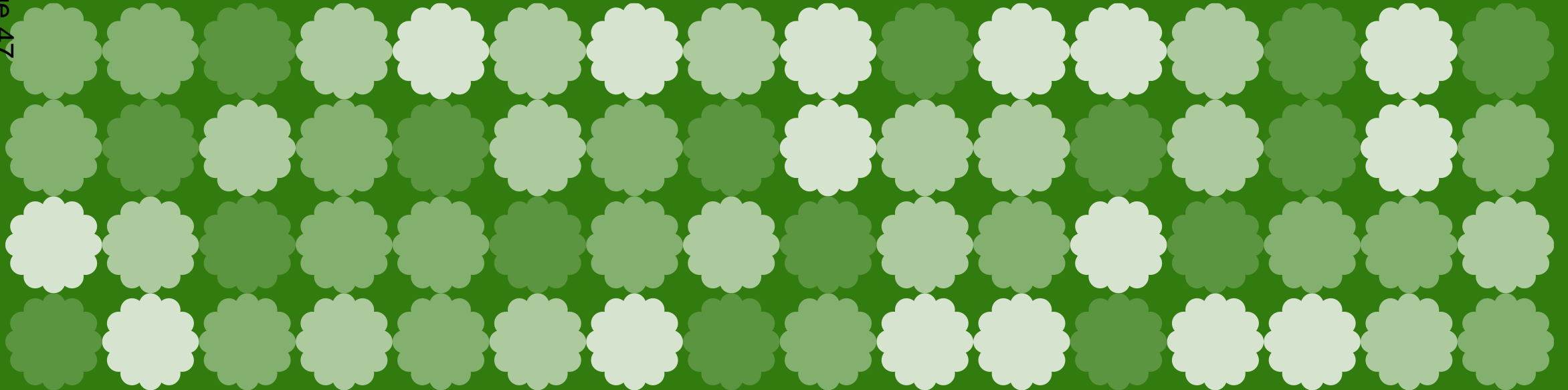
Climate Emergency: perceptions & behaviours in GM



Summary of joint GMCA/TfGM survey
conducted by



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Methodology

Quantitative

- Public First carried out an online poll of Greater Manchester residents aged 18 and over
- The polling was carried out from the 24th June – 3rd July 2023
- The total sample reached was 1,547
- Results were weighted to be representative of the Greater Manchester population on age, gender and district

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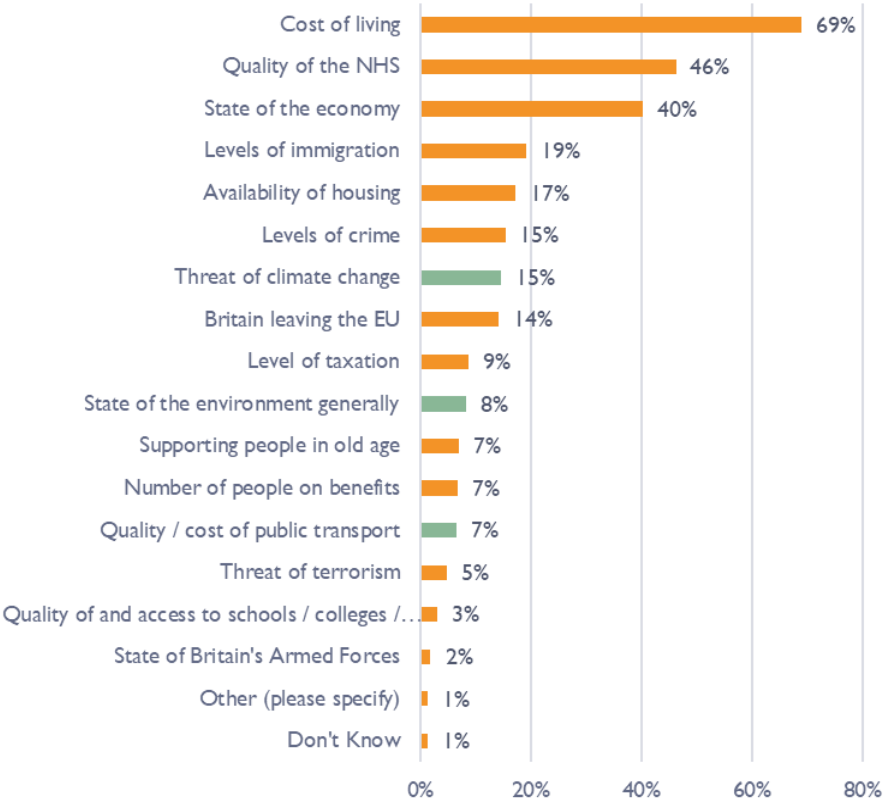
Qualitative

- Public First carried out eight depth interviews with digitally-excluded individuals and two focus groups. These were a spread of people from the Greater Manchester area.
- **2 x Focus groups** of 8 people on 10 May 2023
- **8 x Digitally-excluded interviews** between 5 and 9 June 2023
- Digitally excluded individuals are harder for the poll and focus groups to capture in their results, which is why it was important to speak to have these additional interviews

Greater Manchester residents are concerned about climate change, but are more concerned about other issues

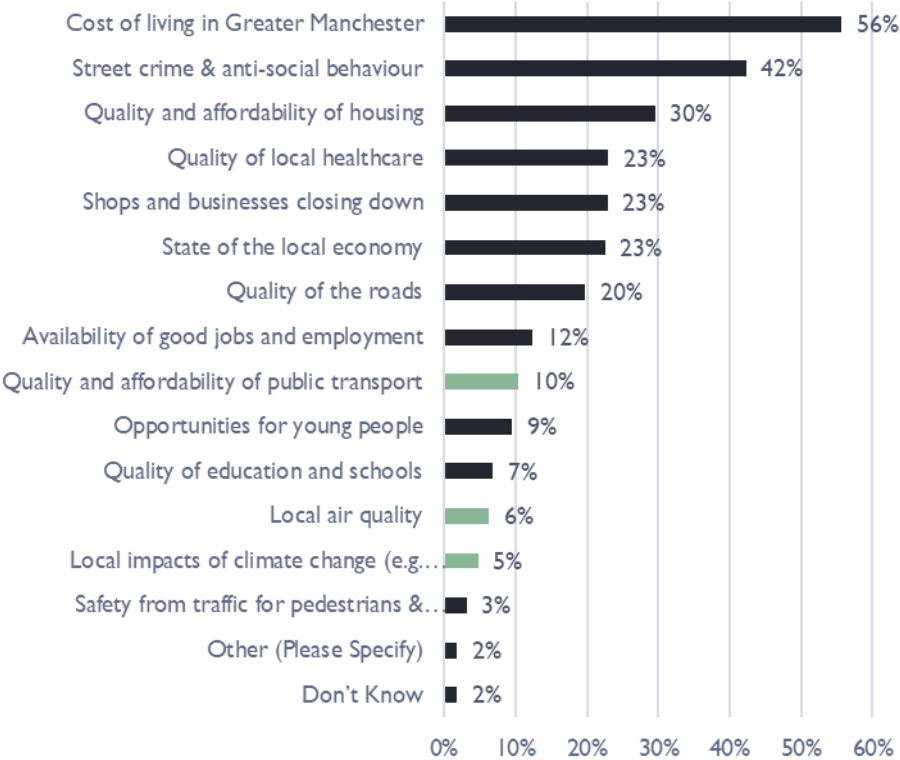
National Issues

Which of the following issues do you think are the most important facing the country at the moment? Select up to three of the following



Local Issues

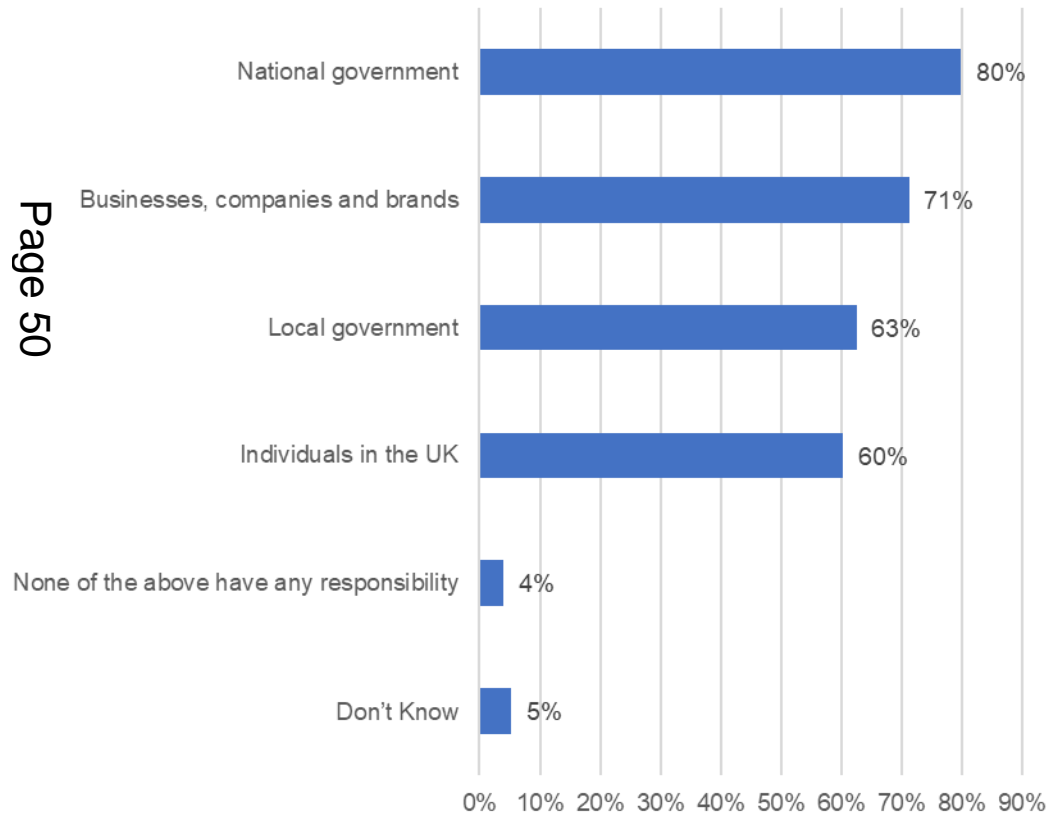
Which of the following would you say are the main issues affecting the Greater Manchester area at the moment? Select up to three of the following



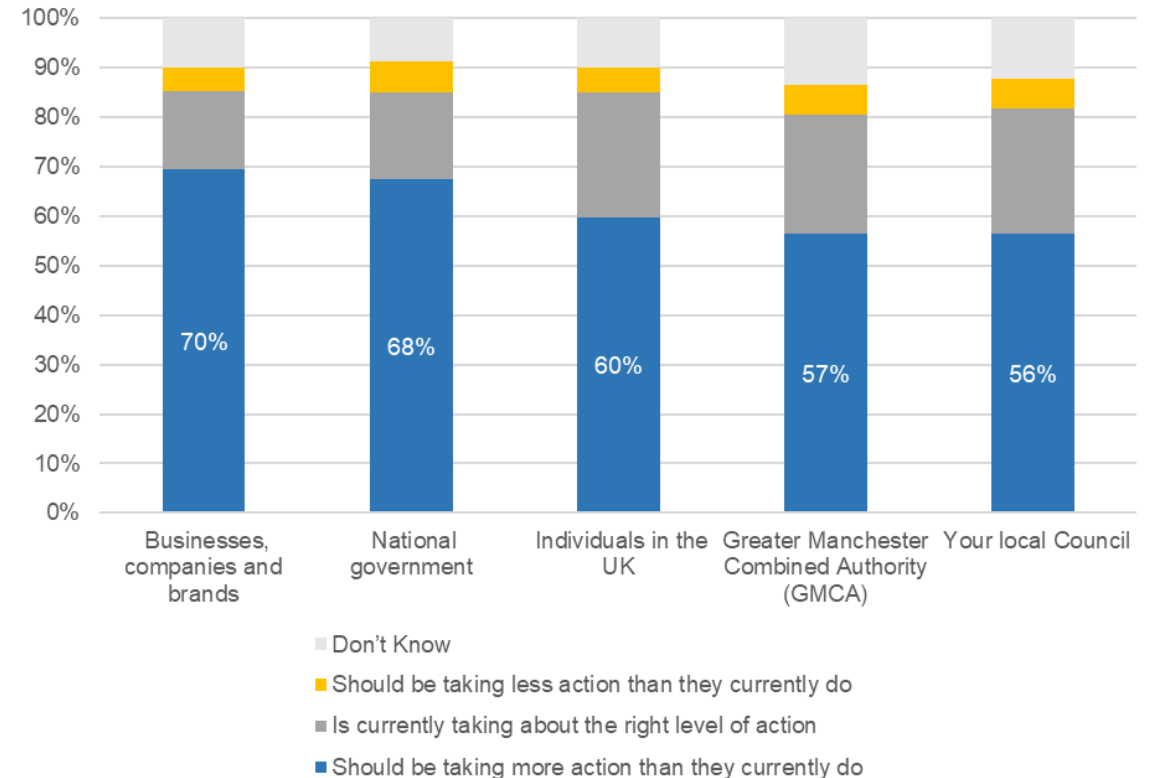
Environmental Issues are generally not perceived as major issues facing GM

All actors should be doing more especially national government and business

Which of the following groups in the UK do you think has a responsibility to take action on climate change? Please select any of the following

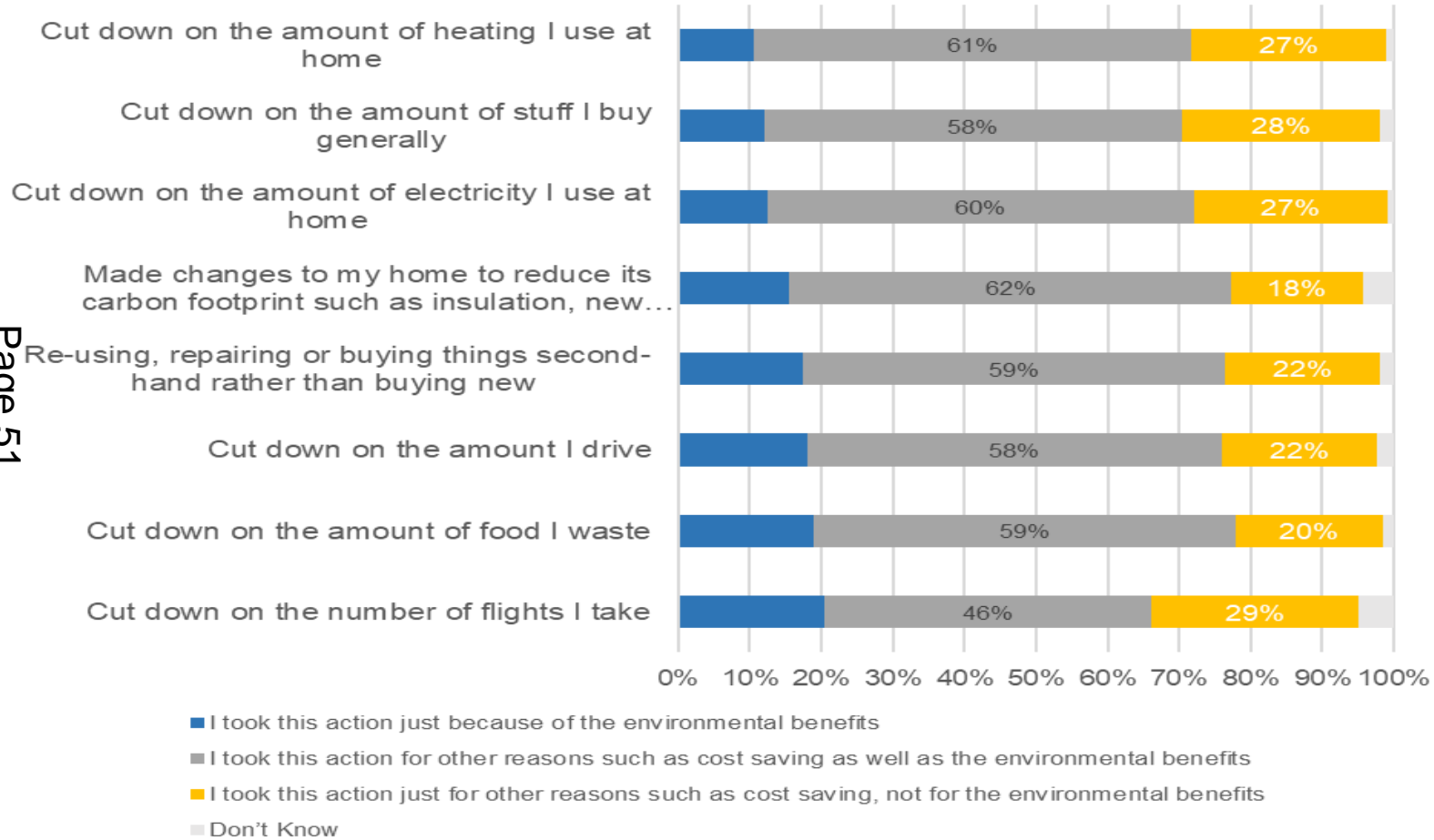


Regardless of which has the most responsibility, do you believe the following groups should be taking more or less action on climate change than they are now?



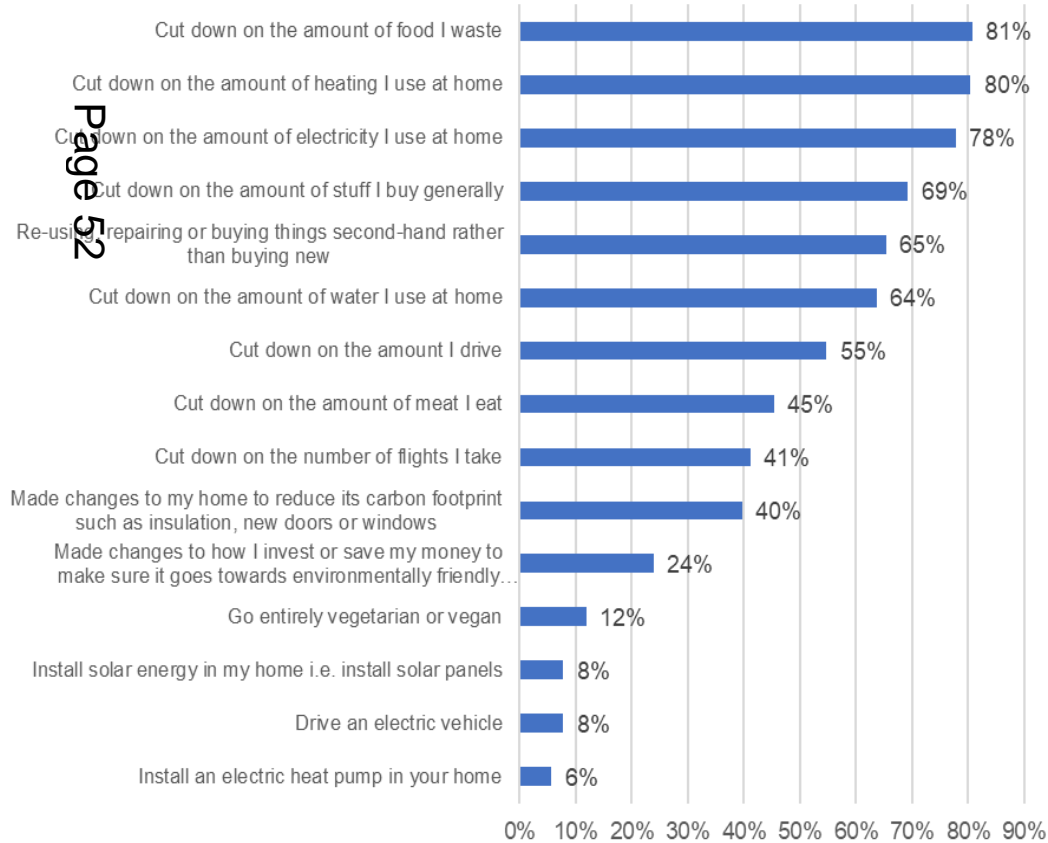
Use non environmental motivations (cost of living)

Motivations for taking the action among those who have taken it (Top 8 taken for non-environmental reasons shown, continued on next slide...)

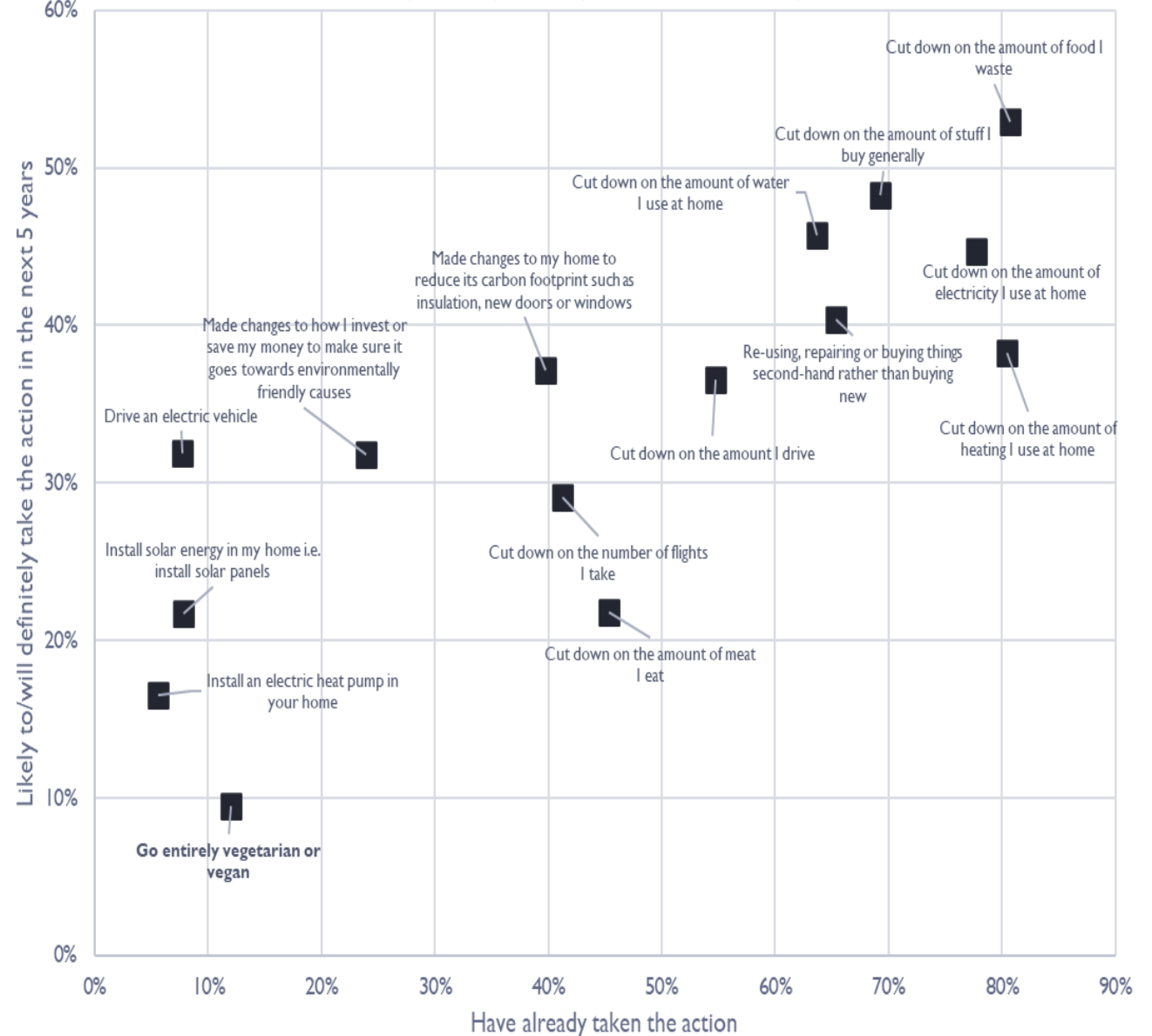


Residents have already taken 'easy' cut-back actions more than demanding changes and are less likely to make major changes in the next 5 years

Below are some ways in which it has been suggested that individuals can take action to reduce the impact they have on the climate. Which of the following, if any, have you personally taken?
% Who claim to have taken the action

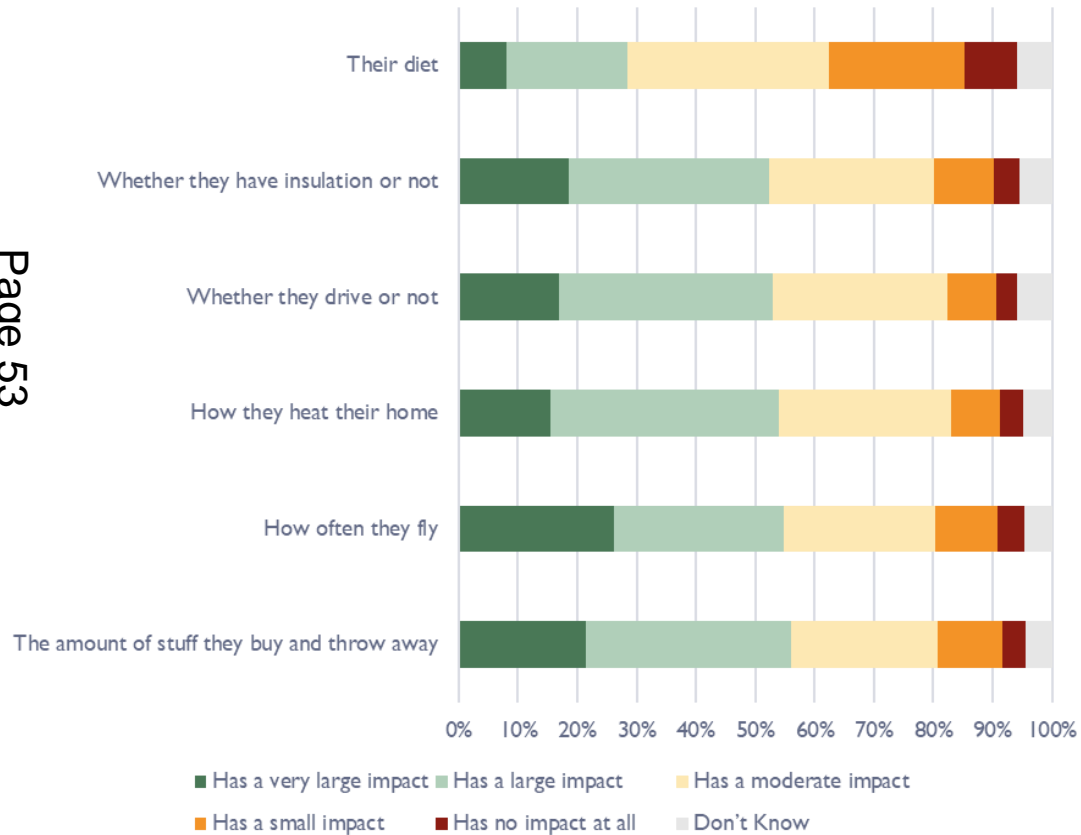


Proportion who have already taken the action, plotted against the proportion of those who have not who say that they are likely to do so in the next 5 years

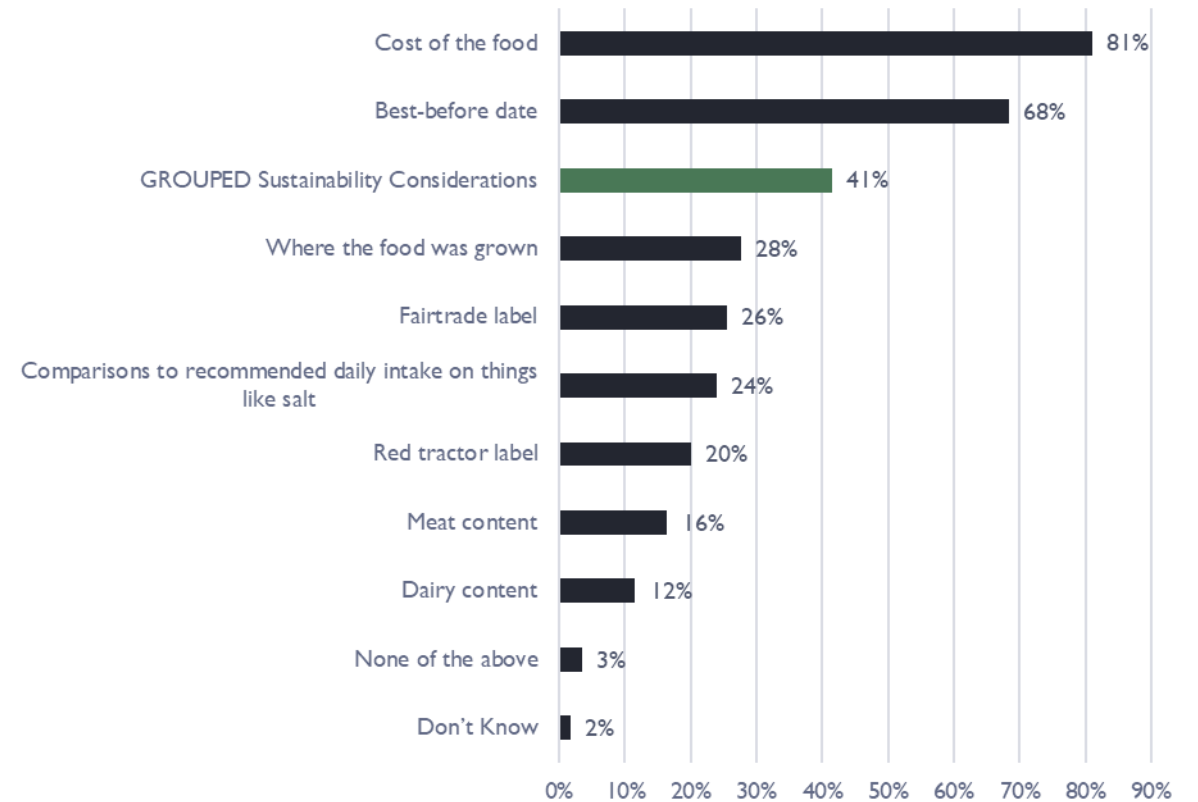


Dietary change most difficult as not perceived to be impactful (perception errors), however there is a route to encouraging more sustainable diets..

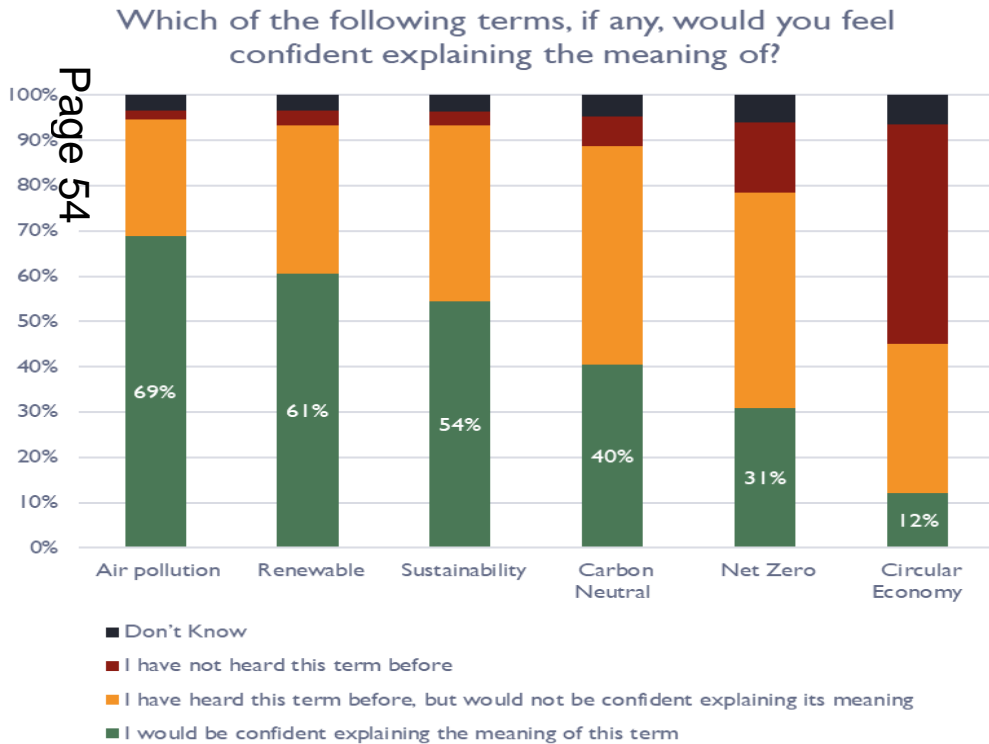
In general, which of the following areas do you think have the greatest impact on an individual's carbon footprint (the amount of carbon a person emits through their life), if any?



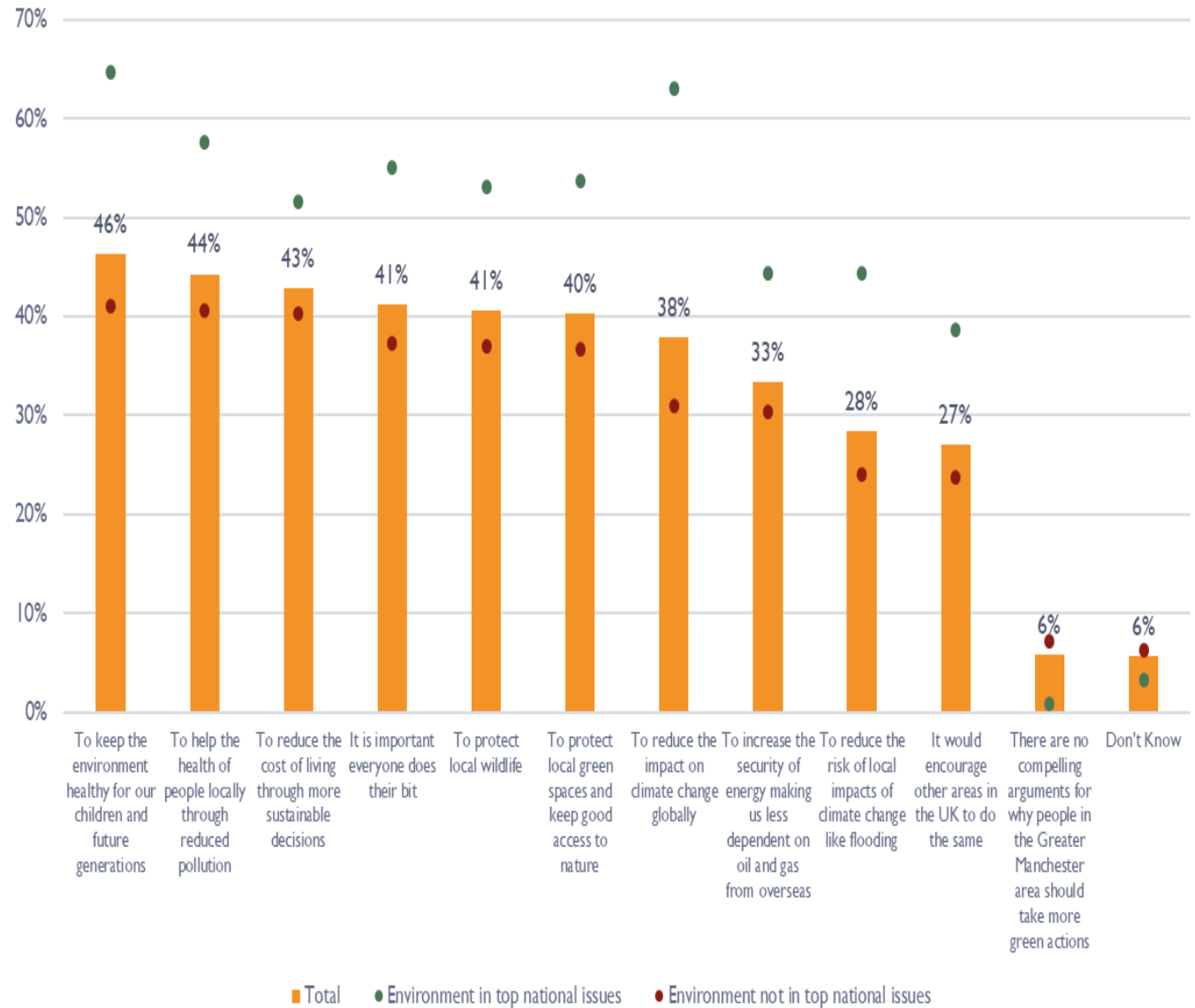
Which of the following, if any, do you pay attention to when you are purchasing food from a supermarket? Select any which apply



Use more simplistic environmental language to raise awareness more widely

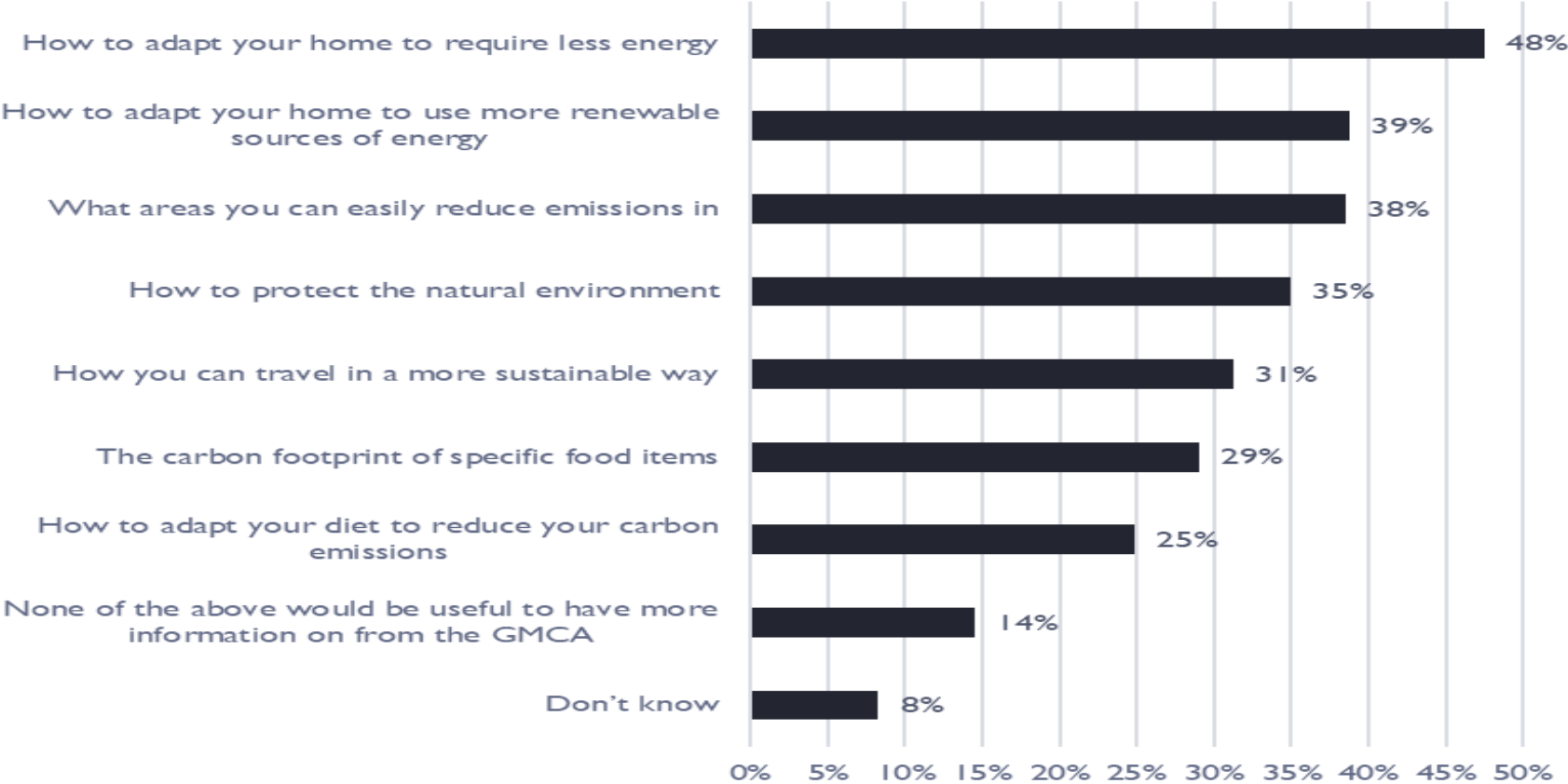


What, if anything, are compelling arguments for why people in the Greater Manchester area should take more “green” and environmentally friendly actions? Select any which apply



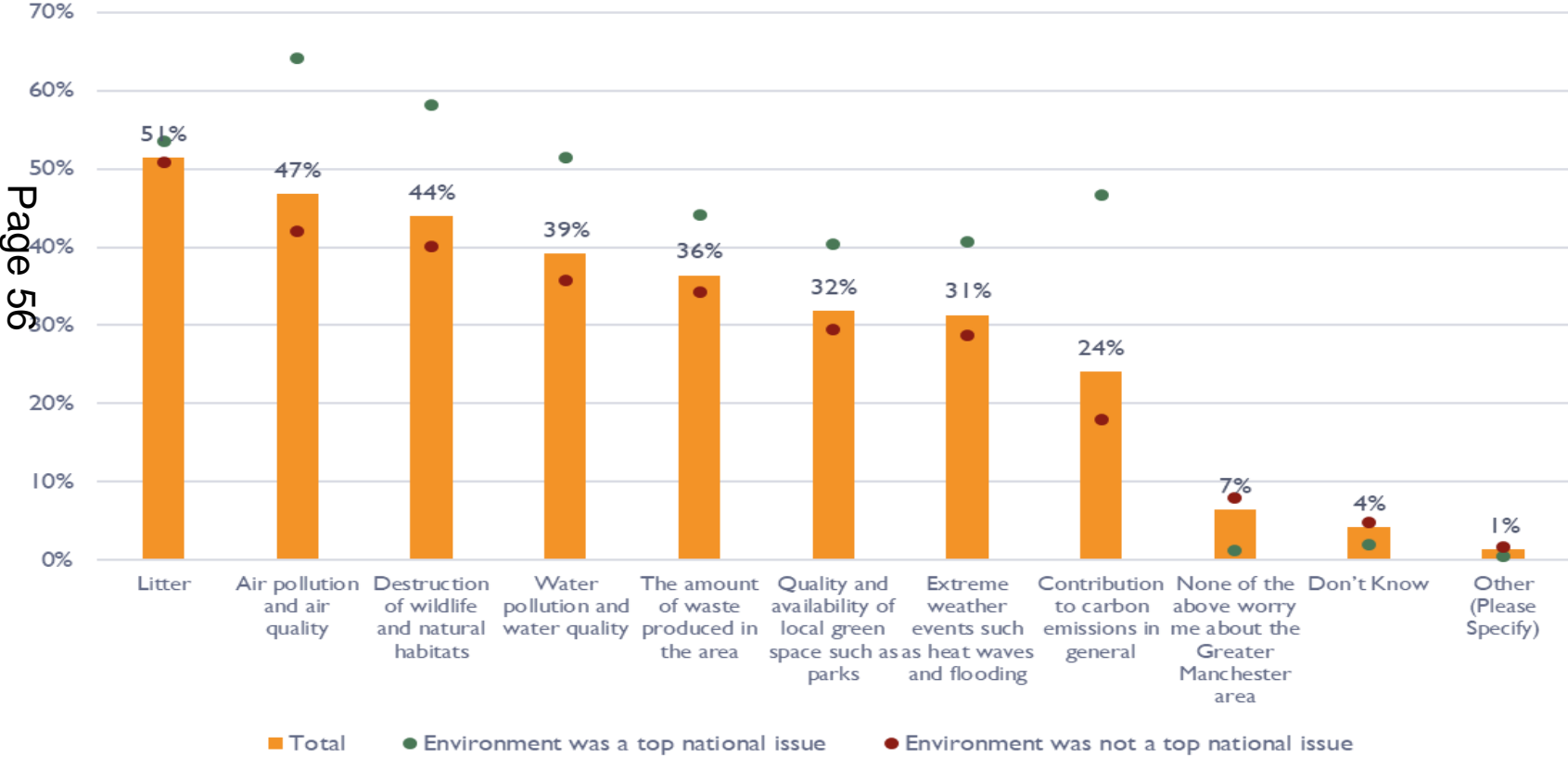
Informational campaigns could help encourage engagement

Which of the following areas, if any, would you find it most useful to have more information on from the GMCA? Select any which apply



Resident thought GMCA could help most on local issues, in particular public transport, litter and recycling

Thinking about the Greater Manchester area, which of the following environmental concerns would you say you are personally worried about, if any? Select any which apply



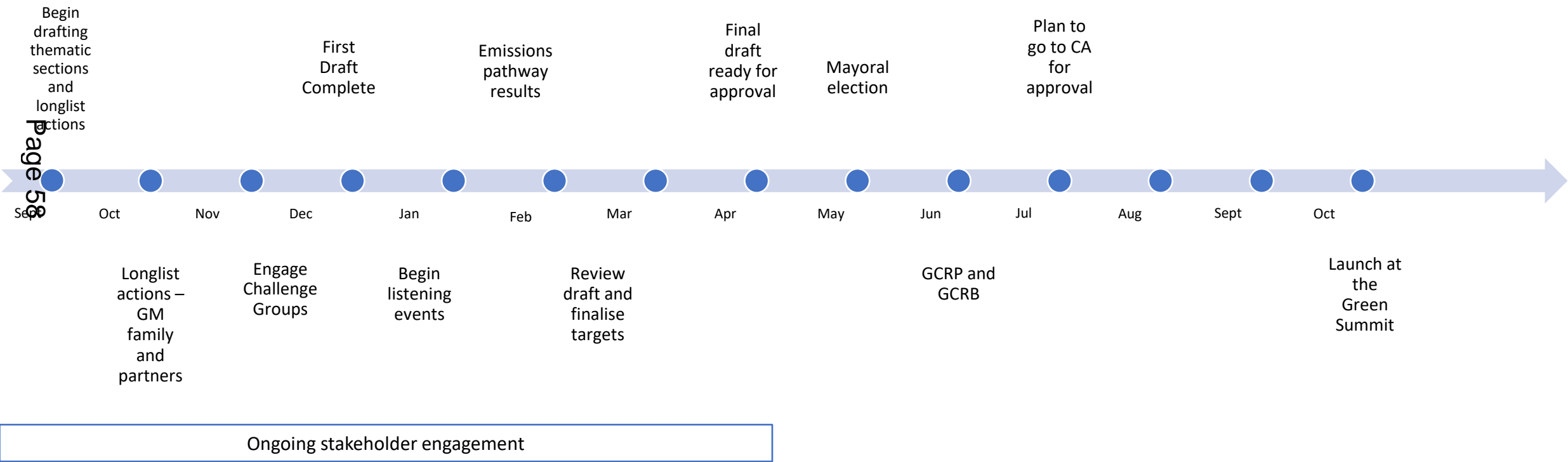
Five-Year Environment Plan 2024-2029

Overview and Timeline

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Timeline, Now–October 2024

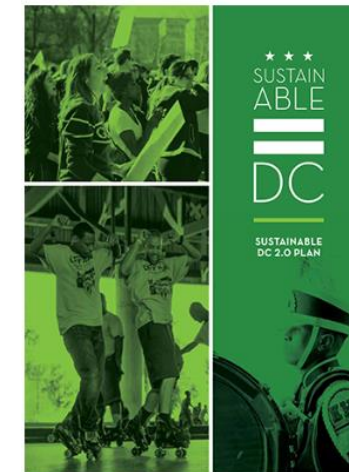
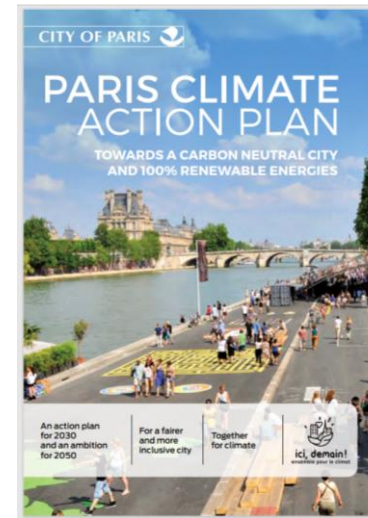


Partner engagement

- Initial engagement with challenge groups.
- Planned workshops to test vision and actions.
- Focus on those actions outside of local authority control and influence.

Developing the wireframe and learning from other cities

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Overall plan structure

1. Mayor's foreword
2. Introduction - setting the vision, 2038, climate and biodiversity emergency
3. Emissions Pathway, Targets, Action Plan
4. Chapters –
 1. Our Homes,
 2. Our Work,
 3. Our Leisure,
 4. Our Travel,
 5. Our Industry
5. Conclusion
 1. Annex – emissions pathway, monitoring and evaluation, engagement

Chapters

- Our Homes
- Our Work
- Our Leisure
- Our Travel
- Our Industry

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- Carbon and Climate
- Biodiversity and Clean Green Spaces
- Waste and Resources
- Air Quality
- Climate Adaptation

Developing actions

How we live at home (Our Homes)				
Sections	Challenge Statement	Action and Lead e.g. LAs, businesses, NGOs, residents, national government	Why (result of the action)	Enabling Actions
Air Quality				
Biodiversity and Clean Green Spaces				
Carbon and Climate				
Climate Adaptation				
Waste and Resources				

Setting targets

Theme	Metric	Indicator	Progress to date	5 year target	2038 target
Land	Biodiversity	Halt decline in species abundance by x% by 2029.			

Next steps

- Complete draft actions with input from partners
- Hold engagement workshops with 5YEP Forum and Challenge Groups



Wider Listening Events January -March 2024



Five-Year Environment Plan 2024-2029

Emissions Pathway Work

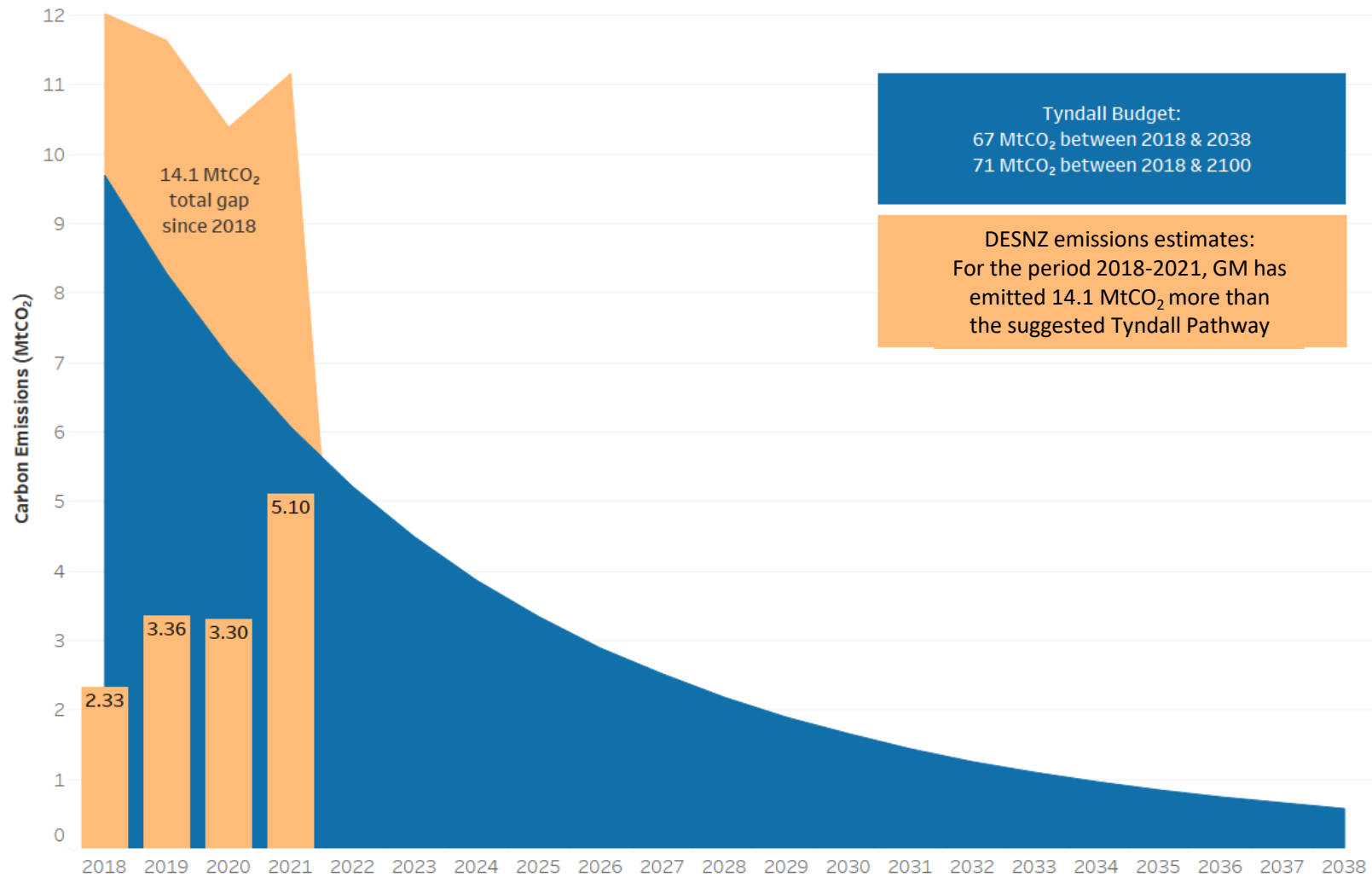
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Rachel Berman, Principal Research (Environment) GMCA
October 2023



The Mission: Carbon Neutral by 2038

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Background

- 5YEP (2019-2024) included work to establish a GM Carbon Budget (the 'Tyndall Budget')
- 2022 Green Summit outlined that whilst achieving carbon neutrality by 2038 still considered possible, GM is likely to exceed the budget by 2025.
- Next 5YEP needs clear 5-year targets that help us to reduce this excess as much as possible.

5YEP (2024-2029)

Explore different possible carbon reduction pathways (as previously with SCATTER).

- Can GM stay within proportion of UK carbon budget?
- **If we are to achieve carbon neutrality by 2038, what is a realistic emissions pathway to achieve this, and what would be projected cumulative emissions?**
- What is needed to reduce the gap between revised pathway emissions and carbon budget?

Progress to date

- Explore different possible carbon reduction pathways (as was done for 5YEP with SCATTER).
 - Current GM decarbonisation activity: LAEPs and TfGM pathways
 - CCC 'Balanced Net Zero' pathway – applied to GM
 - MacKay Carbon Calculator (SCATTER based on earlier versions of this model)
- Identify need for more bespoke tool
 - Looking to engage data expertise on modelling – commission support
 - Work with CCC and Tyndall
 - Needs to allow us to monitor progress to keep momentum/commitments.

What's next....

- Appointed Arup to undertake emissions modelling work **alongside us**
 - Baseline of current emissions
 - Compatible with DESNZ reporting - for future monitoring
 - Includes 3 grid decarbonisation trajectories, and impact of policy interventions
- Start Sept/Oct 2023
- Expected completion March 2024

Recommendations

Members are requested to:

1. Note the progress updates across all presentations.
2. Note and feedback on the structure for the Five Year Environment Plan.
3. Note the approach to develop updated carbon emissions pathways as part of the Five-Year Environment Plan refresh.

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Greater Manchester Green City Region Partnership

Date: 19 October 2023

Subject: Integrated Water Management Plan

Report of: David Hodcroft - Infrastructure Lead (GMCA Place Directorate), GMCA

PURPOSE OF REPORT:

To provide a briefing to the Green City Region Partnership on the Greater Manchester Integrated Water Management Plan approved by the GMCA on [30 June 2023](#) (with the annual business plan approved on [29 September 2023](#)).

RECOMMENDATIONS:

Green City Region Partnership Members are requested to:

1. Note the decision made by the GMCA on 30 June and 29 September in relation to the Integrated Water Management Plan (para 1.1)
2. Note how Scrutiny Committee recommendations will be taken forward through the Integrated Water Management Plan (Annex A)
3. Note the summary of the Annual Business Plan (Annex B) as presented on the 11 September.
4. The main outputs to be delivered by March 2024 (paragraph 2.3)
5. Consider whether there are any issues highlighted in the report which are relevant to the partnerships work programme for the forthcoming municipal year.

CONTACT OFFICER:

[David Hodcroft](#) – GMCA Infrastructure Lead

1. Introduction / Background

1.1 A briefing on the Integrated Water Management Plan (IWMP) was presented to the Green City Region Partnership when it met on the 27 January 2023.

Recommendations on Integrated Water Management from [GMCA Scrutiny Committee](#) were presented to the Greater Manchester Combined Authority when it met last May. [The Integrated Water Management Plan \(IWMP\)](#) was approved by the GMCA when it met on the 30 June where the following decisions were made:

1. *That the draft Integrated Water Management Plan, (Annex A) and next steps for engagement, be approved.*
2. *That it be noted that the recommendations from GMCA Scrutiny Committee, as presented to the Combined Authority on the 31 May 2023, will be taken forward through the Integrated Water Management Plan*
3. *That the actions and next steps, agreed at the 31 March 2023 Mayoral round table be noted.*
4. *That the proposal to submit an Annual Business Plan on activities and resources required to deliver the Integrated Water Management Plan to the GMCA be approved.*
5. *That the proposed review of existing GMCA governance structures to strengthen accountability, scrutiny and provide clarity of responsibility, in accordance with the principles for good governance (attributes for integrated water management) from the Organisation for Economic Co-operation and Development (OECD) be approved.*
6. *That the funding and resource plan (business plan) be submitted to the GMCA in September 2023.*
7. *That the intention for the Environment Agency, United Utilities and the GMCA to extend the existing collaboration agreement in relation to the implementation of the Integrated Water Management Plan be noted.*
8. *That love and condolences be expressed to the family and friends of Abby Walton following a tragic open water incident in Tameside.*

- 1.2 The Integrated Water Management Plan is a joint Plan between the GMCA, the Environment Agency and United Utilities, it responds to the recommendations from the [GMCA Scrutiny Committee](#) (Annex A) to the GMCA in May 2023 and builds on the [memorandum of understanding between the parties agreed in 2021](#).
- 1.3 As the GMCA heard from the Chief Executives of the Environment Agency and United Utilities when in met in June, Greater Manchester is nationally leading on this agenda and a significant infrastructure investment programme is being developed by United Utilities that will benefit Greater Manchester.
- 1.4 The government has committed to several reforms nationally through the [Environmental Improvement Plan \(2023\)](#) and [Plan for Water \(2023\)](#) with Integrated Water Management reflected within the [devolution deal](#) agreed with government earlier this year which states that: *“the government agrees that Greater Manchester will be a testbed to explore and develop options for how flood risk management, including other relevant adaptation activities, can best be addressed and accelerated at the local level. This could include:*
- a. Examining how adoption of an ecosystem services approach can deliver cobenefits for the economy and citizen health.*
 - b. Sharing of best practice approaches and learning on integrated water management to inform government reforms to local flood risk management planning.*
 - c. Piloting ‘revenue stacking’ and the blending of public, private, and philanthropic finance to fund projects at scale; or*
 - d. Early testing of proposals from any government strategies on these issues in development”.*
- 1.5 The Integrated Water Management Plan aims to create a paradigm shift in water management. The plan provides a vision for water management as it should be, with positive outcomes for people, place and environment considered as a whole. The paradigm shift needs a new way of funding and resourcing the appropriate capacity to deliver this ambition.

2. Business Plan

2.1 The Integrated Water Management Plan, agreed by the GMCA in June 2023, includes seven workstreams:

- Workstream 1 - Living Integrated Opportunity Programme
- Workstream 2 - Digital Platform
- Workstream 3 - Adaptive Policies and Standards
- Workstream 4 - The Partnership
- Workstream 5 - Skills and Resources
- Workstream 6 - Integrated Investment Plan
- Workstream 7 – Marketing and Engagement

2.2 Following on from the GMCA approval, a more detailed Business Plan has been developed to identify the components of the Plan that will be delivered by 31 March 2024 and the resources required, this was approved by the GMCA when it met on the 29 September. The Business Plan was outlined at a 3rd Mayoral Round table on the 11 September (see Annex B). An annual progress report and business plan for FY 24/25 will be presented to the GMCA when it meets in March 2024.

2.3 The main outputs that will be delivered by March 2024 are:

1. Establishment of the Integrated Water Management Team, implementation of team culture and charter and sharing of resources across GMCA, EA and UU.
2. Further development of the living integrated opportunity programme (projects and interventions within geographical locations and catchments).
3. Identification and progression (from concept to business cases) of the first tranche of geographical clusters to demonstrate the impact and delivery of better outcomes.
4. Confirmation of the skills and graduate/apprenticeship programmes across the CA, UU, and EA for integrated water management to commence in September 2024.
5. Review of the existing GMCA governance structures to strengthen accountability, scrutiny and provide clarity of responsibility in accordance with the principles for good governance (attributes for integrated water management – Annex B)).

6. Establishment of the partnership board in accordance with the governance framework (output 5 above).
 7. A communication and engagement plan outlining who will be engaged, when and how during 2023-24.
-
- 2.4 The Business Plan details the roles required and an interim Integrated Water Management Plan Team has been established. United Utilities will deploy additional resources (FTEs) following a recruitment exercise this summer and a restructure this autumn. Additional resources (FTEs) are being provided by the Environment Agency and external consultancy support will be utilised until the end of September 2023 and March 2024 (senior analyst only).
 - 2.5 The team can't operate or deliver in isolation; successful delivery of the business plan will rely on interdependencies between various teams across the GMCA, the Local Authorities and Transport for Greater Manchester (TfGM) and the GMCA is seeking support from the Greater Manchester system to ensure successful delivery.

3. RECOMMENDATIONS

- 3.1 Recommendations appear at the front of this report.

ANNEX A – Table setting out how the GMCA Scrutiny Committee recommendations will be taken forward through the Integrated Water Management Plan

GMCA Scrutiny Recommendations	IWMP Workstream (number)
1. Increase awareness.	<ul style="list-style-type: none"> • 7 – Marketing and Engagement
2. A clear owned plan	<ul style="list-style-type: none"> • The Integrated Water Management Plan (and 7 workstreams)
3. Strong governance framework	<ul style="list-style-type: none"> • 4 – The Partnership and recommendations to GMCA (Annex E)
4. Effective use of knowledge, skills, and resources	<ul style="list-style-type: none"> • 5 – Skills and resources
5. Ensuring social justice is at the heart of action	<ul style="list-style-type: none"> • Prioritizing and social value weighting within 1 (integrated opportunity programme and 6 (integrated investment plan)
6. Influencing planning laws and guidance	<ul style="list-style-type: none"> • 3 (policies and standards), 7 - (Marketing and engagement) and devolution deal commitment.
7. Improving advice and information	<ul style="list-style-type: none"> • 7 - (Marketing and engagement), use of GMCA website, engagement team and working with the 10 LAs. Green Summit in October.
8. Effective measures	<ul style="list-style-type: none"> • 1 (integrated opportunity programme and 6 (integrated investment plan)
9. Learn from others.	<ul style="list-style-type: none"> • Have established engagement/information sharing with London and Partnerships in London, Yorkshire, and Northumbria.
10. Further areas for scrutiny review	<ul style="list-style-type: none"> • The Plan to be reviewed by Scrutiny Committee on 27 September 2023

ANNEX B – 11 September Mayoral Round Table Presentation Slides

Presentation attached separately.

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**Enhancing
Life through
Water** 

Item 9b

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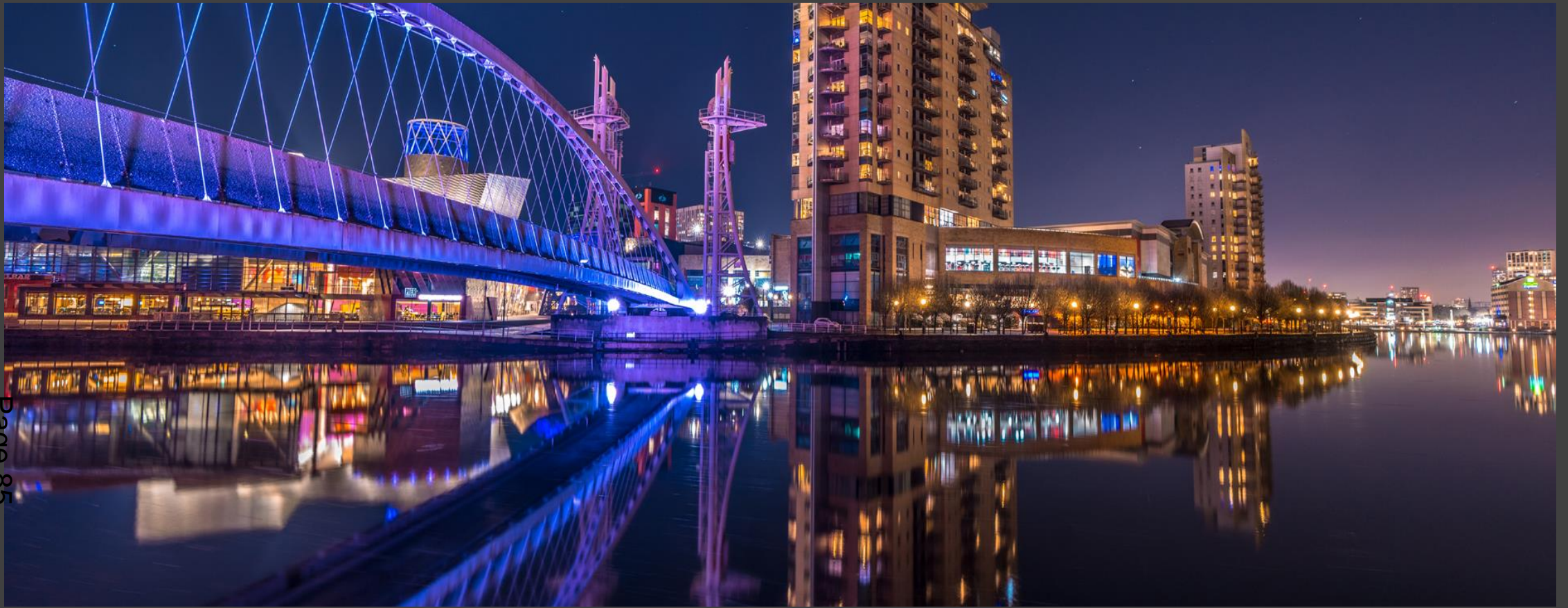
Integrated Water Management Plan

11 September 2023



Agenda

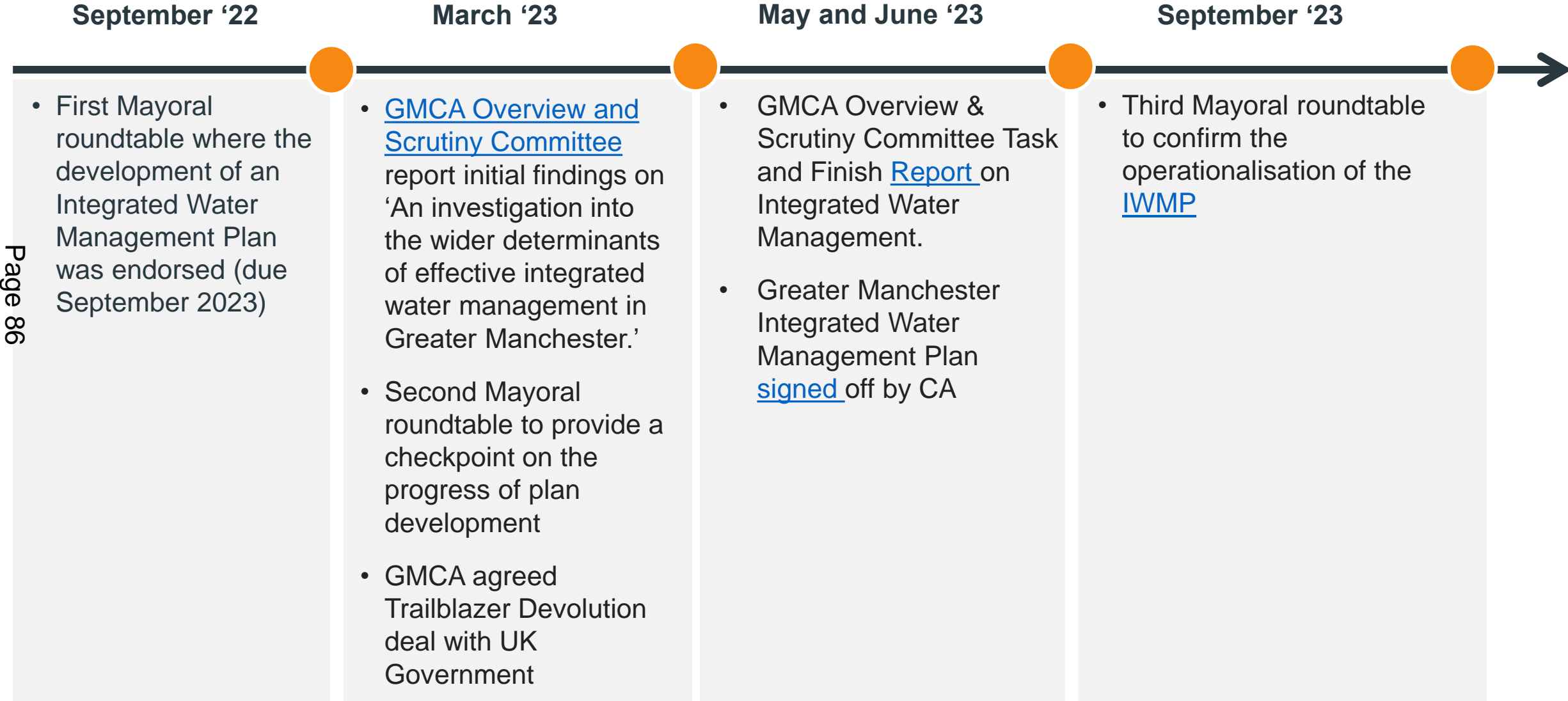
NO.	ITEM	CONTENT	LEAD	TIME LIMIT (MAX)
1	<ul style="list-style-type: none"> Introduction 	<ul style="list-style-type: none"> Purpose and objectives of the round table Recap on what was agreed at the 2nd round table (31 March 2023) (Annex A) 	Paul Dennett (Salford City Mayor and GMCA deputy Mayor) Chair	10mins
2.	<ul style="list-style-type: none"> The Plan 	<ul style="list-style-type: none"> Overview of the Integrated Water Management Plan and GMCA decision Summary of how the CA, UU and EA will operationalize the Plan Explanation of the programme and opportunity cases Highlight the interdependency of the workstreams and teams within organisations. 	Project Team	20mins
3.	<ul style="list-style-type: none"> Draft Annual Business Plan 	<ul style="list-style-type: none"> The annual business plan (to March 2024) and summary of how the CA, UU and EA will operationalize the Plan. 	Project Team	15mins
4.	<ul style="list-style-type: none"> Approach to Growing the Partnership 	<ul style="list-style-type: none"> How the partnership will develop and beyond the CA, UU and EA in 2024. 	Project Team	10mins
5.	<ul style="list-style-type: none"> Stakeholder Engagement and Advocacy 	<ul style="list-style-type: none"> The engagement plan for the autumn How do stakeholders want to be engaged? What can they bring to the partnership and when? What are the key messages and materials that would support stakeholders in their advocacy role? 	All.	30mins
6.	<ul style="list-style-type: none"> Next steps 		Paul Dennett (Chair)	5mins



The Integrated Water Management Plan



Background





Agreement

The Integrated Water Management Plan was approved on the 30 June where the following decisions were made:

1. That the draft Integrated Water Management Plan and next steps for engagement, be approved.
2. That it be noted that the **recommendations from GMCA Scrutiny Committee**, as presented to the Combined Authority on the 31 May 2023, will be taken forward through the Integrated Water Management Plan.
3. That the actions and next steps, agreed at the 31 March 2023 Mayoral round table be noted.
4. That the proposal to submit an **Annual Business Plan** on activities and resources required to deliver the Integrated Water Management Plan to the GMCA be approved.

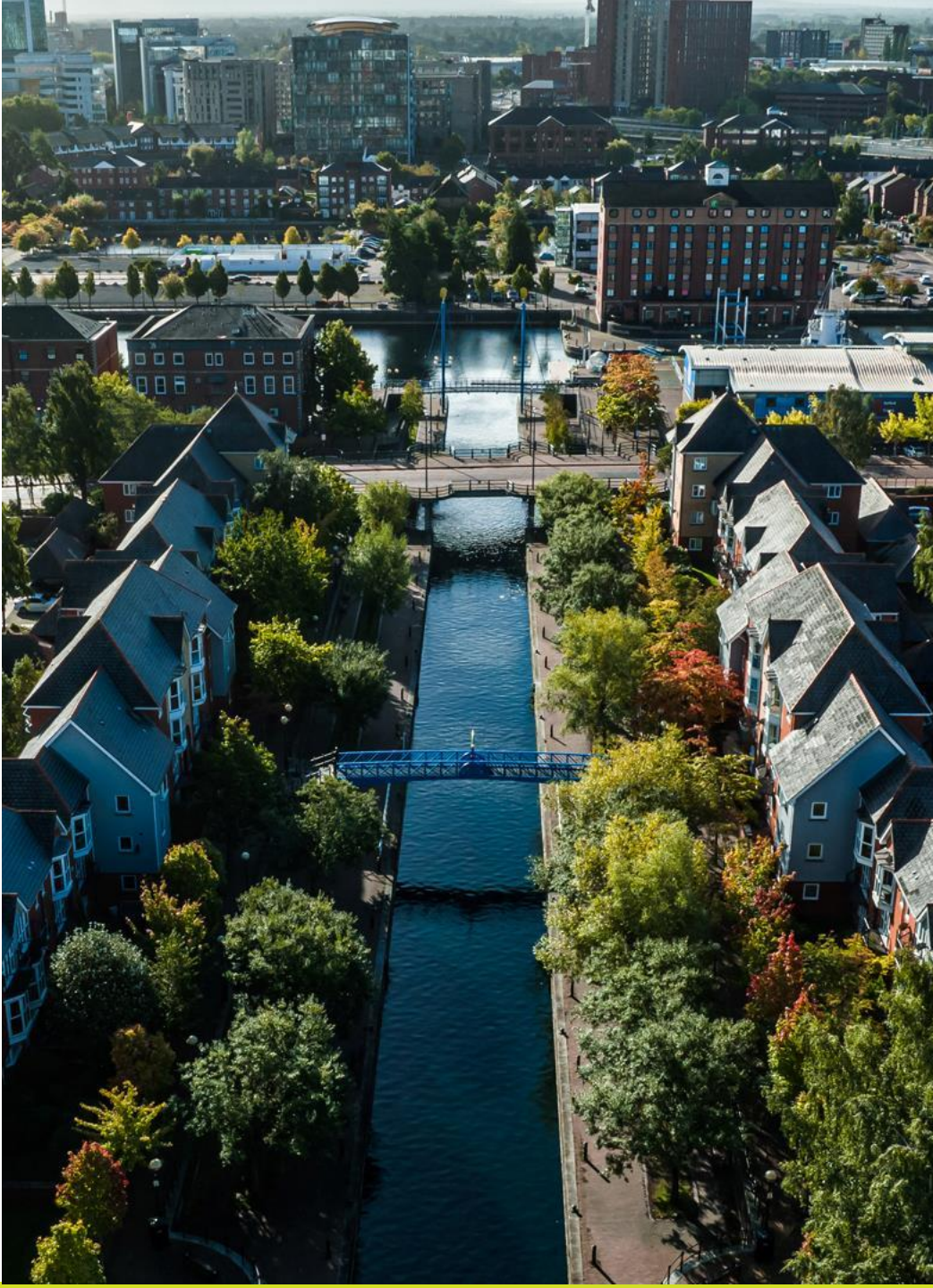
5. That the proposed review of existing **GMCA governance structures** to strengthen accountability, scrutiny and provide clarity of responsibility, in accordance with the principles for good governance (attributes for integrated water management) from the Organisation for Economic Co-operation and Development (OECD) be approved (see Annex B).
6. That the funding and resource plan (Annual Business Plan) be submitted to the GMCA in September 2023.
7. That the intention for the Environment Agency, United Utilities and the GMCA to extend the existing collaboration agreement in relation to the implementation of the Integrated Water Management Plan be noted.
8. That love and condolences be expressed to the family and friends of Abby Walton following a tragic open water incident in Tameside.



GMCA Scrutiny Recommendations (May '23)

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GMCA Scrutiny Recommendations (endorsed 26 May)	IWMP Response to Recommendations
1. Increase awareness	<ul style="list-style-type: none"> • WS7 – Marketing and Engagement
2. A clear owned plan (*Joint Plans)	<ul style="list-style-type: none"> • The Integrated Water Management Plan (and 7 workstreams)
3. Strong governance framework (*Joint Plans)	<ul style="list-style-type: none"> • WS4 – The Partnership and recommendations to GMCA (Annex E)
4. Effective use of knowledge, skills, and resources	<ul style="list-style-type: none"> • WS5 – Skills and resources
5. Ensuring social justice is at the heart of action	<ul style="list-style-type: none"> • Prioritizing and social value weighting within WS1 – Living Integrated Opportunity Programme and WS6 - Integrated Investment Plan
6. Influencing planning laws and guidance – (Schedule 3)	<ul style="list-style-type: none"> • WS 3 - policies and standards and WS7 - Marketing and engagement and devolution deal commitment.
7. Improving advice and information	<ul style="list-style-type: none"> • WS7 - Marketing and engagement, use of GMCA website, engagement team and working with the 10 LAs. Green Summit in October.
8. Effective measures – NBS/CO ₂ savings) (surety of funding for surface water/sustainable drainage)	<ul style="list-style-type: none"> • WS1 - Living Integrated Opportunity Programme and WS6 - Integrated Investment Plan)
9. Learn from others	<ul style="list-style-type: none"> • Have established engagement/information sharing with partnerships in London, Yorkshire and Northumbria.
10. Further areas for scrutiny review	<ul style="list-style-type: none"> • The Plan to be reviewed by Scrutiny Committee on 27 September 2023



Highlights

- Developed short, medium and long term objectives and associated metrics which will enable progress reporting
- Created an Annual Business Plan which confirms the activities and resource requirements from the partners (24/25 ABP to be signed off September 2023)
- Progressed workstream actions (13 actions completed out of 32)
- Confirmed the IWMP Core Team to operationalise the plan
- Developed a Team Charter to capture partnership values and behaviours
- Continued to engage with stakeholders (local and national)
- Secured funding from RFCC to develop knowledge transfer products
- Finalised the Collaboration Agreement

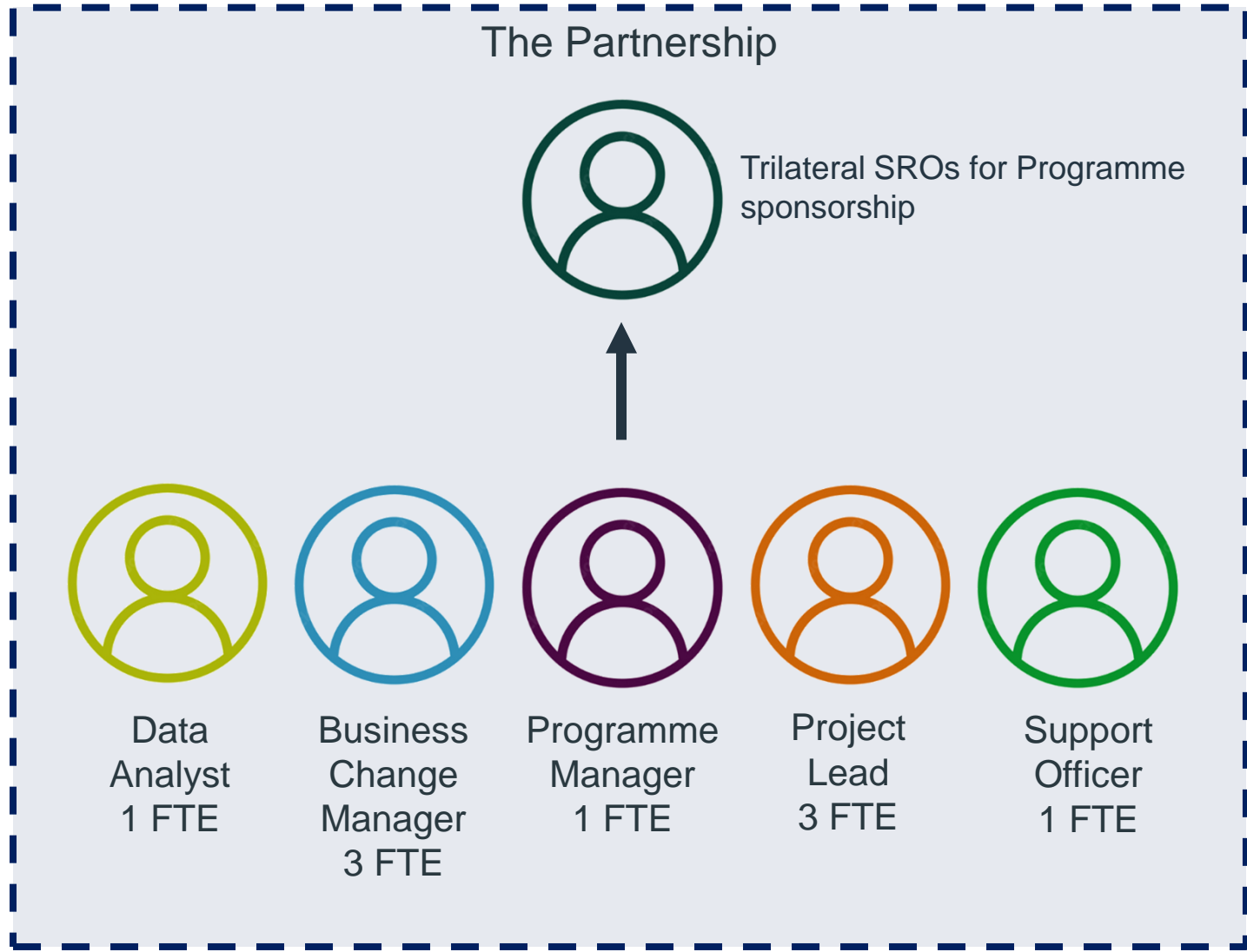


Implementing the 'Plan' (October '23 – March '24)



The IWMP Core Team

Page 91



Governance, stakeholders and political accountability and scrutiny

dependencies
→



Legal and commercial
Comms and engagement
Leverage of cross organisational teams



IWMP Team Charter

We plan for this way of working to become the norm, so we have developed and agreed a Team Charter which sets out the Partnership's core values and the expected behaviours from those who are part of it.

This will help the IWMP work through challenges and conflict if they arise, as well as supporting new members of the partnership to integrate easily.

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Enhancing Life through Water

Team Charter

Partner Organisational Values

Greater Manchester Combined Authority Purpose Driven Collaborative Empowering People	United Utilities Innovative Trustworthy Customer Focused	Environment Agency Put People and Wildlife First Focus on Outcomes Show Leadership
--	--	--

Trilateral Partnership Values

Collaborative
Purpose Driven
Embrace Challenges

Expected Behaviours

Partnership Value	Expected Behaviour
Collaborative	The partners co-locate at least one day a week to work as a team and build rapport A respectful environment is created where people can share their views and be listened to without judgement All partners have an ability to represent the partnership without bias towards their parent organisation Partners seek out opportunities to engage with other key stakeholders, both locally and nationally
Purpose Driven	The partnership has a clear purpose (MoU) and a defined plan (IMW/P) Partnership governance is supportive and direction setting Everyone is clear on their role in the partnership Transparent aims and targets are set annually Action trackers hold partners to account
Embrace Challenges	Partners are resilient and can adapt to changes Everyone feels safe to escalate issues or disagreement in an appropriate manner Partners seek out solutions to the challenges that the partnership is trying to address



Annual Business Plan April '23 – March '24

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The objective for the remainder of this financial year is to mature the partnership and operationalise the plan through further development of the seven workstreams and associated actions (set out in Section 2 of the document).

Recognising that the workstreams within the plan cannot work in isolation from each other, a detailed programme of work has been developed which is owned by the three Business Change Managers, and is governed by the Interim Trilateral Partnership Board



Seven Interdependent Workstreams



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Workstream Activities and Outputs (October '23 – March '24)

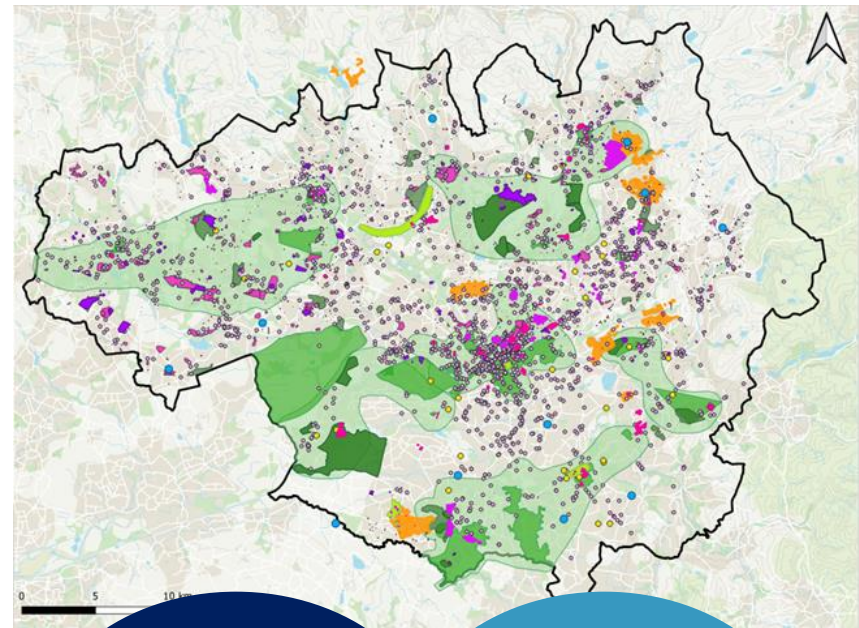
Workstream (WS)	Actions
WS1 - Living Integrated Opportunity Programme	Identification and progression (from concept to business cases) of the first tranche of geographical clusters to demonstrate the impact and delivery of better outcomes.
WS2 - Digital Platform	Development of the IWMP Digital Platform
WS3 - Adaptive Policies and Standards	Recommend good practices and changes on the policies and standards identified for enhancement
WS4 - The Partnership	Establishment of the Integrated Water Management Team, implementation of team culture and charter and sharing of resources across GMCA, EA and UU. Review of the existing governance structures to strengthen accountability, scrutiny and provide clarity of responsibility in accordance with the principles for good governance
WS5 - Skills and Resources	Confirmation of the skills and graduate/apprenticeship programmes across the CA, UU, and EA for integrated water management to commence in September 2024.
WS6 - Integrated Investment Plan	Investment portfolio brochure
WS7 - Marketing and Engagement	Communication and engagement plan outlining who will be engaged, when and how during 2023-24



WS 1 - Living Integrated Opportunity Programme

The programme will join opportunities up that align spatially, driving investments and solutions that deliver better value compared to traditional solutions, leveraging funding from other sources where there is an alignment in objectives and by challenging delivery to be more efficient.

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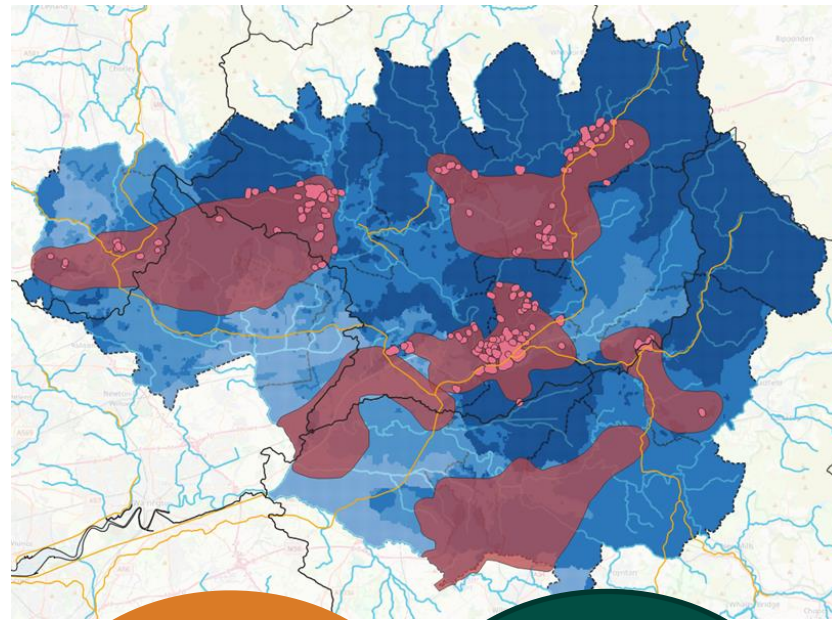


60
Data sets

20
organisations



IWMP
Data
Analyst



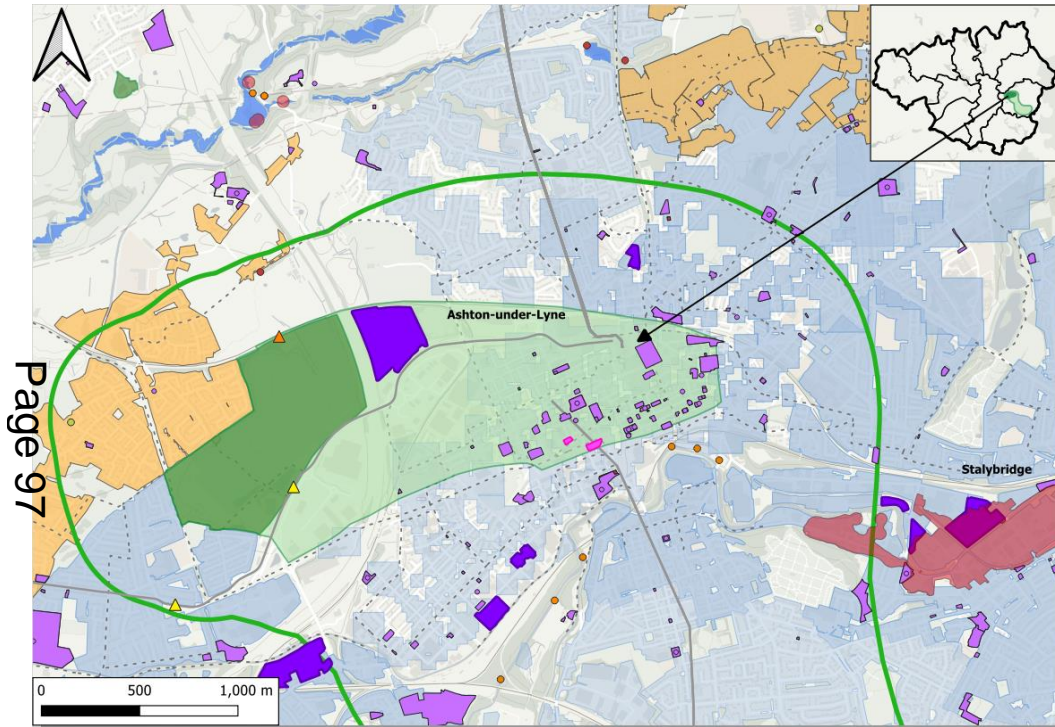
9,250
opportunities

250
clusters

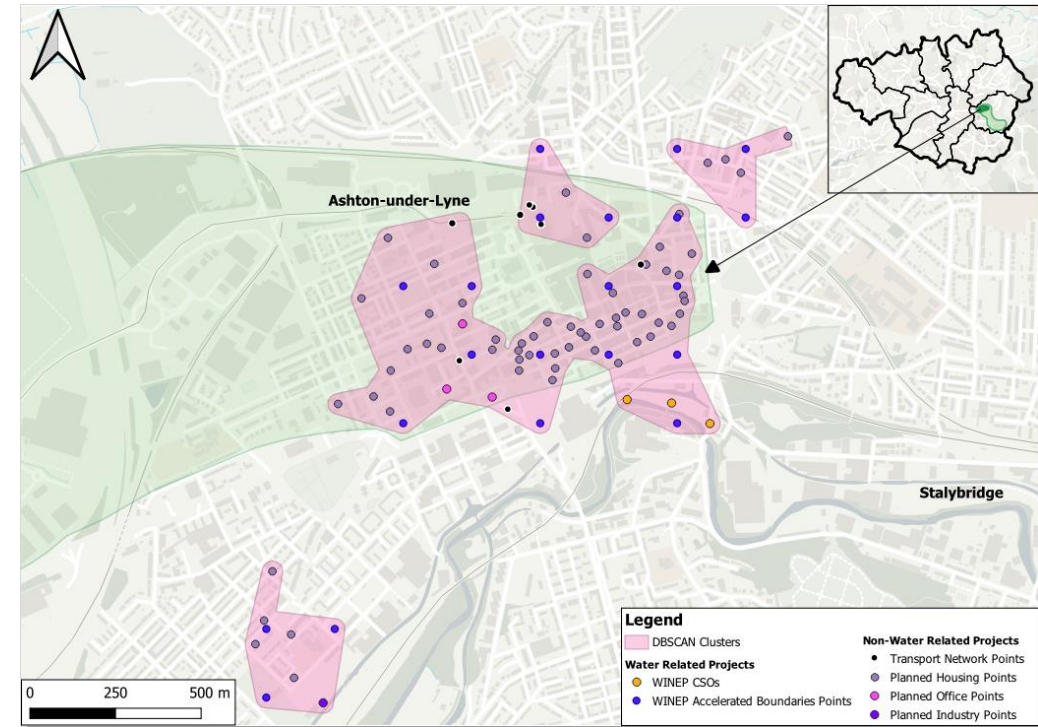


WS 1 – Case Study

Cluster identified at Ashton – under-Lyne



IWMP
Data
Analyst



6
Data sets

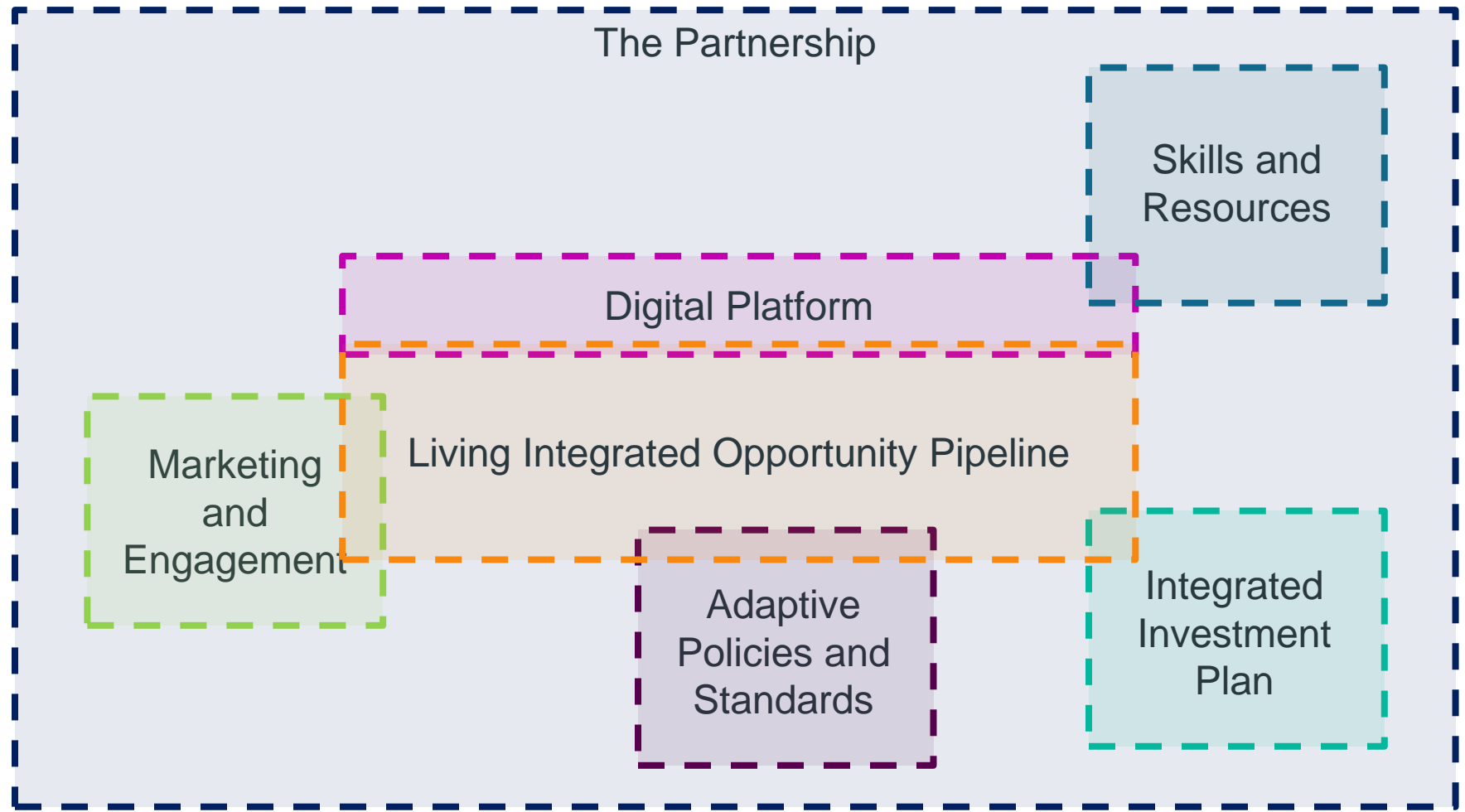
5
organisations

78
opportunities

1
cluster

7 Interconnected workstreams

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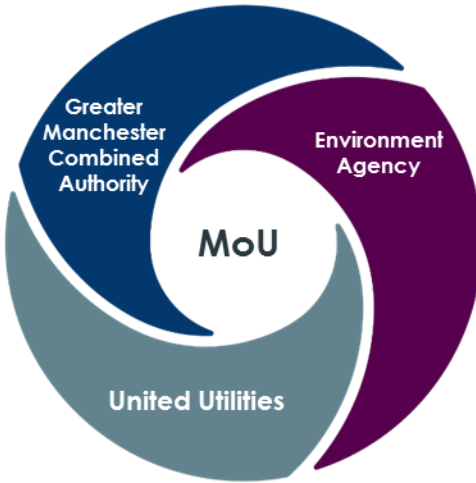


The Partnership

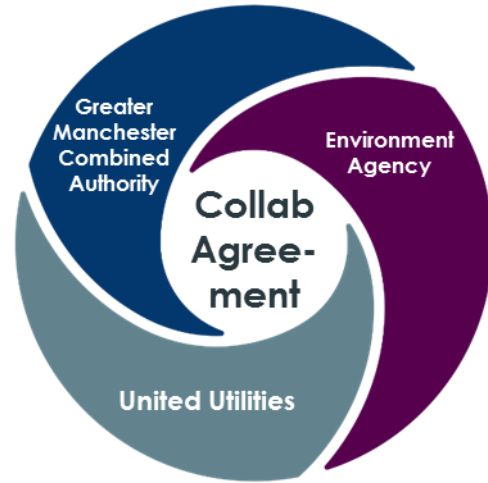


Our ambition is to grow the partnership...

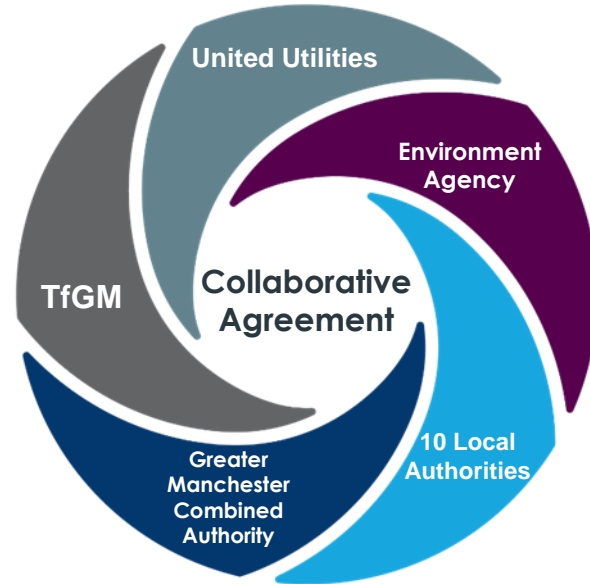
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2021



2023



2025

As we mature we move from an MoU to multisector working



...and involve multisector stakeholders to ensure IWM succeeds

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4 National
e.g. Defra, DLUHC, NIC

6 Partnerships
e.g. CAaA, LCR, GLA, Natural Course

12 Regional
e.g. RFCC, TfGM, GM groups and boards



Good Governance

Attribute	Work Stream
Defined roles and responsibilities	WS4 - The Partnership
Manage water intervention at appropriate geographical scale in Greater Manchester	WS4 - The Partnership
Policy coherence across water and other sectors; housing, transport etc.	WS6 - Adaptive policies and standards
Resource commitment across organisations	WS4 - The Partnership (Business Plan section 3)
Data and information integration to prioritize a plan	WS2 - Digital Platform
Mobilize water finance and allocate financial resources	WS6 - Integrated Investment Plan
Influence on future investment programmes	WS6 - Marketing and Engagement
Alignment of governance practices within organisations/regulatory boundaries	WS4 - The Partnership
Level of accountability to decision-making	WS4 - The Partnership
Level of Partner/Stakeholder engagement and participation in the implementation of an IWMP	WS6 - Marketing and Engagement
The partnership enables wider participation in IWMP , to enable wider social & ecological benefit.	WS4 - The Partnership
Monitoring and evaluation of metrics specific to the IWM (Performance Monitoring)	WS4 – The Partnership
Arrangement and contribution of co-funding	WS4 – The Partnership (Business Plan section 3)

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Looking ahead...

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September

3rd Mayoral roundtable
Annual Business Plan approved
Letters to CEOs

October

Go live GM Green Summit
GM IWMP webinar

November

British Water conference
Institute of Asset Management conference

January '24

Natural Course conference
RFCC bid submission

Key actions to support the IWM Plan implementation

The true challenge is that the change required to better manage our water cannot be achieved by continuing to operate as we currently do.

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Change will only come about with an **evolution from the MOU to a multi-sectoral partnership with investment in resources and the structures and tools** to enable those resources to deliver effectively.

Our ask is everyone's firm commitment to invest your organisations time and resources to achieving this change.





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DISCUSSION

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Schools Solar PV Powering Our Schools

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Agenda Item 10

Progress update on GM Schools Solar PV

- The impact of the rising electricity costs on school budgets is an ongoing concern raised by Greater Manchester's Local Authorities.
- Since March GMCA has been working with a small group of officers to design and develop a schools' solar power offer.
- We now have:
 - **Resources to support schools considering solar PV**, supported by funding from the NW Net Zero Hub.
 - **An established route to market for publicly funded schools to procure solar PV** via the GMCA Go Neutral call-off framework.
 - **The GMCA Low Carbon Project Delivery Unit (PDU)** equipped to provide project development and delivery support to Districts.
- Of the 637 maintained schools that are known to GMCA, roof mounted solar PV could provide a potential investment opportunity of £52m, based on an average of 60 kWp per school.
- The GM LAs have agreed that a GMCA-led collective purchase offer will help to drive forward this opportunity with publicly funded schools (maintained and non-maintained).
- GMCA is now working with the GM LAs to develop and deliver the GM '**Powering Our Schools**' campaign and collective purchase offer, which is outlined further in this slide pack.

The proposition

The GM **Powering Our Schools campaign** has two parts:

1. **Resources** to help empower any school on deciding whether to install PV and to signpost to an accredited installer for those wanting to 'go it alone'.
2. Solar power **collective purchase offer** that publicly funded schools can register interest to participate in.

Resources

Resources include guidance, case studies and a solar PV calculator. All schools can access these resources that are hosted on a dedicated [webpage](#) on the Green City Region website. The webpage also advertises the opportunity to register interest in the collective purchase exercise.

Collective purchase exercise

For publicly funded schools GMCA is offering a centrally managed collective purchase exercise via the GM Go Neutral procurement framework. Centralised resources will support the schools and LAs throughout the process from expressing an interest through to installation and commissioning (slide 7). This approach builds upon the previous successful GM Solar Together collective purchase exercise for homeowners that achieved a circa 30% discount on panel prices.

Further detail is provided on the following slides.

Resources – Powering Our Schools website

The screenshot shows the website interface for 'Powering Our Schools'. At the top, there is a navigation bar with links for 'Home', 'The challenge', 'Take action', 'Projects & campaigns', 'About us', and 'News and events'. A secondary navigation bar includes 'Resource Library', 'Businesses', 'Schools', 'Contact Us', and 'GM Green Summit 2023'. The main content area features a large green header with the title 'Powering Our Schools' and a search icon. Below the title is a paragraph of introductory text about solar power's benefits for schools. To the right is a video player showing an aerial view of a school building with solar panels. Below the main text are five blue resource cards, each with a 'Find out more' button. On the left side, there are two overlapping document thumbnails: 'Greater Manchester School's Guide to Solar PV' and 'Case Study: Direct Purchase' for Ladybridge High School.

Greater Manchester
DOING THINGS DIFFERENTLY FOR THE ENVIRONMENT

Resource Library Businesses Schools Contact Us GM Green Summit 2023

Home The challenge Take action Projects & campaigns About us News and events

Powering Our Schools

Solar power is a source of renewable energy that has the potential to lower your electricity bills, protect against future electricity price increases and reduce your school's carbon footprint. It can also be a valuable curriculum aide, bringing STEM and climate change action to life for your pupils.

Explore the resources below to find out how your school can make the switch to solar.

LEARN MORE ABOUT SOLAR POWER FOR YOUR SCHOOL
Find out more

HOW MUCH SOLAR POWER CAN I INSTALL AT MY SCHOOL?
Find out more

CASE STUDY: SOLAR POWERED STOCKPORT SCHOOLS
Find out more

JOIN FORCES WITH OTHER SCHOOLS TO BUY SOLAR POWER
Find out more

FIND A SOLAR INSTALLER
Find out more

Greater Manchester School's Guide to Solar PV
Accelerating action, together.
June 2023

Introduction
Why Solar PV? Why now?
Solar PV is a source of renewable energy that can save you money on your electricity bills, protect you against future electricity price increases and reduce your carbon emissions. Solar PV can also be a valuable curriculum aide, bringing STEM and climate change action to life.
The cost-of-living crisis has seen electricity bills increase significantly and this has placed school revenue budgets under significant pressure. In this guide we of pounds off their electricity bills. It also outlines recommended options to deliver solar PV on your school – even if you don't have the funds to invest.
"Having solar panels installed at our school has not only meant we save money on our fuel bills, but it is also cleaner for our environment. Mitigating climate change has to be our priority and opportunities like these cannot be missed."
Mrs Neil Murray, Year 6

Case Study: Direct Purchase
Ladybridge High School, Bolton
Size: 187 kWp
Cost to install: £213k
£25k projected saving in electricity bill in the first year (based on a grid electricity tariff of 34p/kWh)
Investment could pay back in under eight years if funded from capital reserves and allowing for maintenance costs
Solar PV was installed on pitched and flat roofs
System will save 30 tonnes CO2y¹
Installation was funded by PSDS 1 grant
¹Based on UK Government 2023 GHG conversion factors for UK electricity plus transmission and distribution

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How much solar power can I install at my school?

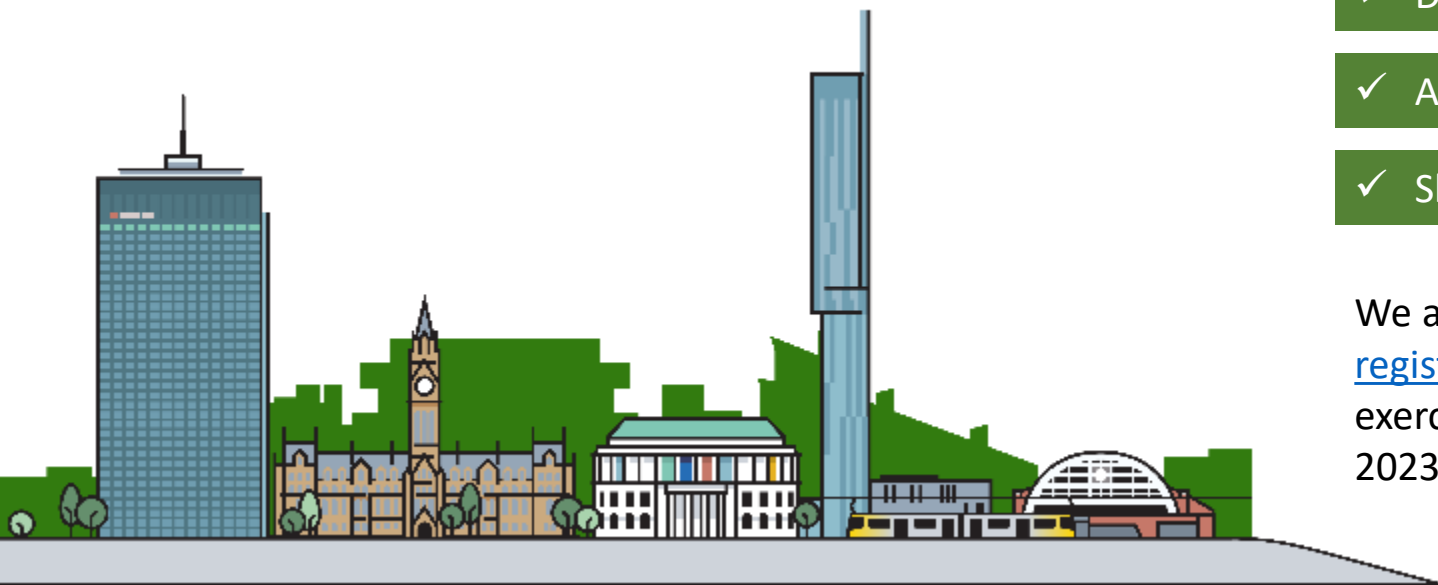
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Downloadable 2-page report illustrates the potential benefits of solar power

<https://poweringourschools.com/>

Powering Our Schools

Page 112 Collective Purchase Exercise

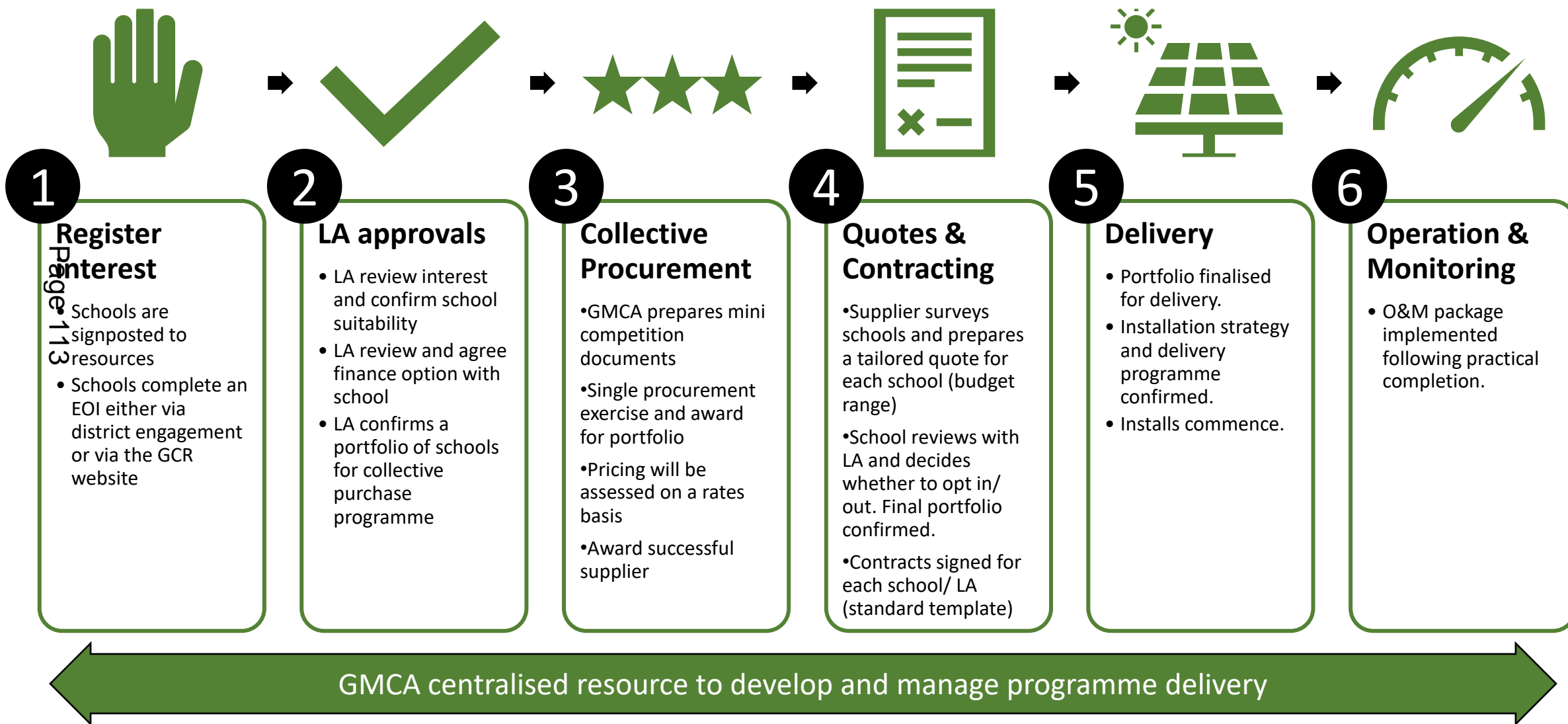


Aims:

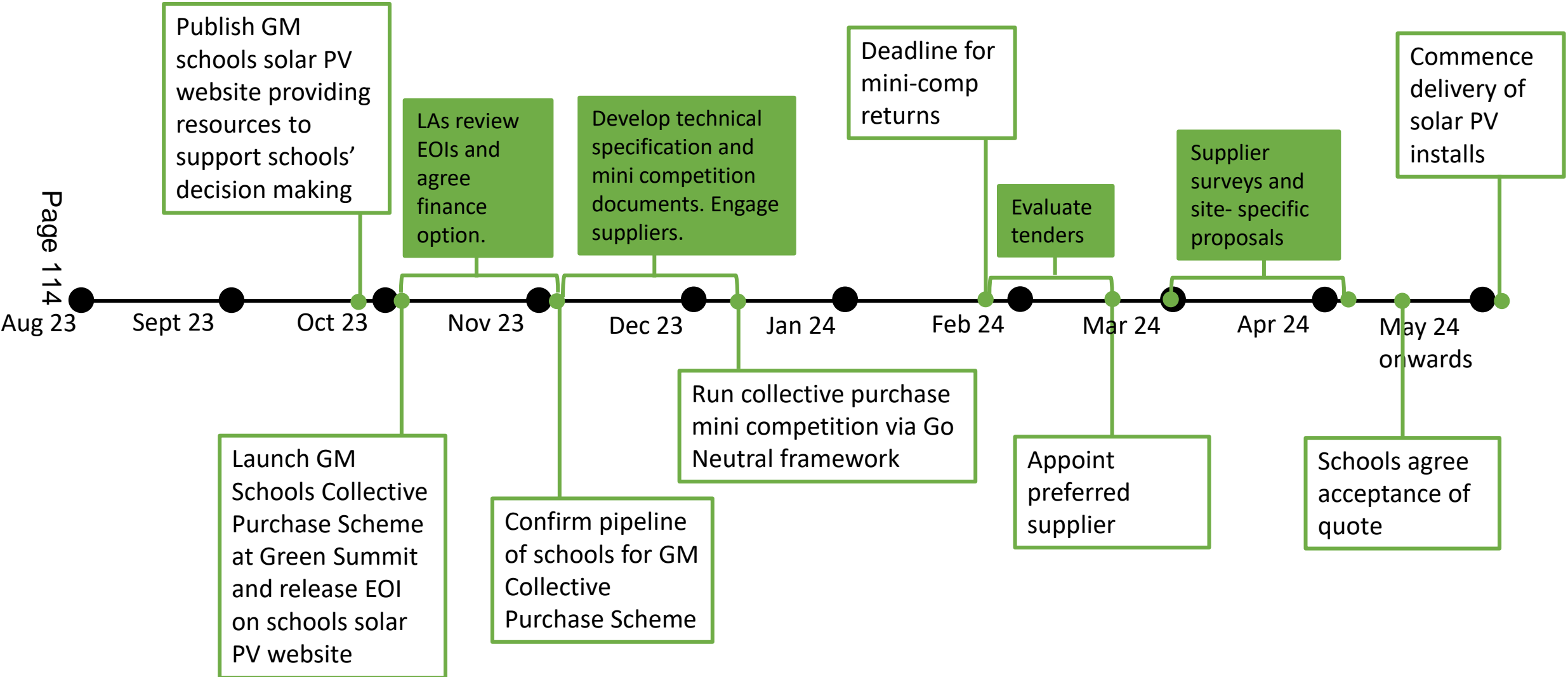
- ✓ Deliver accelerated impact against our 5YEP targets
- ✓ Protect schools from energy price volatility risks
- ✓ High quality installations from competent installers
- ✓ Bulk purchase for competitive price
- ✓ Centralised resource to reduce burden on LAs/ Schools
- ✓ Provide sustainable pipeline to support local businesses
- ✓ Drive use of GM Go Neutral Procurement Framework
- ✓ Access advice and support at all stages
- ✓ Shared learning and collaboration

We are now inviting GM publicly funded schools and LAs to [register interest](#) in participating in the collective purchase exercise. Closing date for registering interest is 31st October 2023.

Collective purchase exercise – proposed approach



Indicative timeline for collective purchase exercise



Engagement activity

- The Powering Our Schools campaign is being promoted through various channels:
 - Green Summit campaign
 - Green City newsletter
 - GMCA newsletter
 - Direct mail to headteachers known to GMCA's Education team
 - Various approaches by the ten GM districts (e.g., direct contact and newsletters)
- Planned discussion with Ashden 'Let's Go Zero' schools initiative.
- All schools are being directed to register interest via the GCR website.

Recommendations

- To note the content of this slide pack and resources.
- Where applicable, to promote through your wider network and partnerships.

Public Sector Decarbonisation Scheme Videos

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Agenda Item 11

Overview

- Since the launch of the GM 5-year Environment Plan in 2019, Greater Manchester's public sector has taken a leading role in delivering our ambitious aims for the environment.
- We have secured £95m of Public Sector Decarbonisation Scheme grant funding and leveraged a further £18m to upgrade 10% of our local authority buildings to make them fit for a low carbon future. The upgrades include low carbon heating, an array of energy efficiency measures, renewable energy generation and battery storage.
- Our local authorities have secured an additional £8.5m of European Regional Development Fund (ERDF) grant funding and leveraged a further £8.5m match to deliver solar PV and battery storage on local authority owned buildings, car parks and land assets. This has provided a significant contribution towards achieving our 5YEP target of 45 MW of new additional renewable generation capacity by 2024.
- To celebrate this success, GMCA commissioned Saz Media to develop fifteen videos that showcase a selection of low carbon building retrofits and solar PV projects that have been delivered by GM's ten LAs, linked with an overarching call to action.



Decarbonising Greater Manchester

Greater Manchester Combined Authority

29 videos 100 views Updated yesterday



▶ Play all

↻ Shuffle

Learn more about how we're working with partners across the city-region to decarbonise buildings, making them more environmentally friendly and lowering energy bills.

1



Decarbonising Greater Manchester

Greater Manchester Combined Authority • 73 views • 1 day ago

2



Decarbonising Ladybridge High School, Bolton

Greater Manchester Combined Authority • 6 views • 1 day ago

3



Decarbonising Bury Market

Greater Manchester Combined Authority • 12 views • 1 day ago

4



Decarbonising the National Cycling Centre, Manchester

Greater Manchester Combined Authority • 12 views • 1 day ago

5



Decarbonising Wythenshawe Forum, Manchester

Greater Manchester Combined Authority • 15 views • 1 day ago

6



Decarbonising Alexandra Park Depot, Oldham

Greater Manchester Combined Authority • 12 views • 1 day ago

7



Chamber House Solar Farm, Rochdale

Greater Manchester Combined Authority • 11 views • 1 day ago

8



Decarbonising Number One Riverside, Rochdale

Greater Manchester Combined Authority • 6 views • 1 day ago

9



Little Hulton Solar Farm, Salford

Greater Manchester Combined Authority • 21 views • 1 day ago

10



Decarbonising Turnpike Depot, Salford

Greater Manchester Combined Authority • 14 views • 1 day ago

11



Decarbonising Stockport's schools

Greater Manchester Combined Authority • 19 views • 1 day ago

12



Decarbonising Active Hyde Leisure Centre, Tameside

Greater Manchester Combined Authority • 5 views • 1 day ago

13



Decarbonising Trafford Town Hall

Greater Manchester Combined Authority • 8 views • 1 day ago

14



Decarbonising Leigh Leisure Centre, Wigan

Greater Manchester Combined Authority • 3 views • 1 day ago

15



Decarbonising Greater Manchester - trailer

Greater Manchester Combined Authority • 17 views • 1 day ago

Promoting the videos

- The videos are published on the [GM Green City website](#), the [PSDS page](#), and as a [YouTube playlist](#)
 - GMCA will be regularly posting about the videos across our channels, and the main film will feature in the GMCA newsletter
 - We have shared with partners across our LAs network, comms challenge group, for wider circulation
- Further promotional activity is planned with the project partners.

Recommendations

- To note the contents of this slide pack.
- Where applicable, to promote through your wider network and partnerships.

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