

3. MCC Estate Transformation Programme	<p>The Estates Transformation programme will consist of various actions undertaken to reduce emissions from the MCC operational Estate. These will include:</p> <ul style="list-style-type: none"> ● <u>2016/17</u>: Explore the opportunity of using a variety of finance models to make energy efficiency improvements to the buildings estate. ● <u>Ongoing</u>: use completed stock condition surveys to inform Asset Management Programme which details where carbon savings will be made 	MCC Estates Board and Head of Client Relationships, Strategic Development Directorate	Ongoing	5,900 tonnes	Investment Grade Proposal developed detailing the energy conservation measures to be delivered across 15 of the authorities buildings. Works to begin Q3 2019.	Green	<p>Completed the procurement of an Energy Services Company to work in partnership with MCC to design-deliver energy efficiency work across the corporate estate. Delivered detailed audits of a wide range of buildings from the corporate estate to identify the most suitable opportunities for investment in terms of carbon saved and financial payback.</p> <p>Town Hall has been vacated ready for renovation, partial restoration and refurbishment, with proposals including measures to reduce carbon emissions considered.</p> <p>Hulme District Office refurbishment delivered throughout 18/19 due to be completed in Q1 2019. This will include the largest array of solar panels in the estate so far. Alexandra House has been vacated ready for comprehensive refurbishment, which will include measures to reduce carbon emissions.</p>	Green
4. MCC Estates Rationalisation Plan	<ul style="list-style-type: none"> ● <u>2016/17</u>: Development of an Estates Rationalisation Plan. ● <u>Ongoing</u>: Continue to undertake rationalisation of identified council buildings whilst calculating carbon savings. 	MCC Estates Board and Head of Client Relationships, Strategic Development Directorate	Ongoing		See update under no.3	Green	<p>MCC continues to rationalise buildings as part of a wider estates management programme. Wherever possible, the carbon reduction impacts of this are considered at the decision making stage. For example Hulme District Office has recently been refurbished and reopened. The refurbishment included new LED Lighting, Solar PV amongst other improvements. This has enabled MCC to close older less efficient buildings. This project has also provided accommodation for some staff who were based at Alexandra House. This building has now been closed to enable another full refurbishment.</p>	Green
5. Where financially viable implement suggested actions from Energy Audits and evaluate impact on energy consumption and carbon emissions	<ul style="list-style-type: none"> ● <u>2016/17</u>: Implement 'quick win' actions from energy audits carried out at Wythenshawe Forum, Gorton Cross Market, Arndale New Market, Manchester Art Gallery, Sharpe Project and Hall Lane Resource Centre ● <u>2017/18</u>: Undertake cost benefit analysis of longer term energy audit savings to determine in 	MCC Estates Board and Head of Client Relationships, Strategic Development Directorate	2017/18		See update under no.3	Green	See update under no.3	Green

	implementation is viable.							
6. Deliver carbon savings from the MCC operational estate. Leisure Facilities	<ul style="list-style-type: none"> ● <u>2016/17</u>: Explore the opportunity of using a variety of finance models to make energy efficiency improvements to the leisure estate. ● Develop a reporting process which demonstrates emissions per visitor number. ● <u>2017/20</u>: Implement any identified energy efficiency across the leisure estate where appropriate. ● <u>Ongoing</u>: Work in Partnership with GLL and Eastlands Trust to deliver Environment and Energy Plans for their sites. 	Head of Community and Cultural Services	Ongoing		See update under no.3	Green	The refurbishment of Moss Side Leisure Centre has been completed, including works to increase the buildings efficiency and reduce carbon emissions. Other leisure facilities are being considered as part of the Carbon Reduction Management Programme.	Green
7. Develop and deliver a MCC Operational Buildings Carbon Reduction Plan	<p>Use data from the returned Stock Condition Surveys, the Estates Transformation Programme & Rationalisation Plan and energy audits to produce a MCC Operational Buildings Carbon Reduction Plan that sets carbon savings from specific building activities. This will enable us to:</p> <ul style="list-style-type: none"> ● Assess progress on a quarterly and annual basis to 2020 target for carbon reductions arising from the above activities. ● Understand any 'gap' in meeting the carbon reduction target and to formulate options for further reductions to achieve the target. 	MCC Estates Board and Head of Client Relationships, Strategic Development Directorate	Ongoing	N/A	See update under no.3	Green	See update under no.3	Green

	<ul style="list-style-type: none"> Effectively monitor and evaluate buildings projects and programmes to determine key activities that contribute to carbon savings and enable replication of best practice 							
8. Ways of working	<p><u>Ongoing:</u></p> <ul style="list-style-type: none"> The MCC Estate Board will continue govern the buildings carbon reduction plans to 2020 and beyond and identify resource for actions as required Ensure that carbon reduction activities are embedded in the day to day management and running of buildings to secure further carbon savings Work in partnership with GMCA to access funding mechanisms 	MCC Estates Board and Head of Client Relationships, Strategic Development Directorate	Ongoing	N/A	See update under no.3	Green	See update under no.3	Green
OTHER								
9. Zero Carbon Manchester 2050	Work with MACF and the Our Manchester Forum to develop a process to ensure that we are zero carbon by 2050	Head of Policy, partnerships and Research	2020	N/A	The Greater Manchester Green Summit was held on 21st March and was attended by over 400 people. Under the broad pledge to ensure Greater Manchester achieves 'carbon neutral' status by 2040 at the latest, the Greater Manchester Mayor's Office confirmed a host of new targets on green buildings, plastic waste, and	Green	<p>In November 2018, the Manchester Climate Change Board (formally MACF) made a proposal to update the city's carbon reduction commitment in line with the Paris Agreement, in the context of achieving the "Our Manchester" objectives. The Council endorsed these new objectives and adopted a science-based carbon budget, developed by the Tyndall Centre for Climate Change Research, and committed the city to becoming zero carbon by 2038.</p> <p>Manchester's carbon budget is broken down into short, medium and long term allocations. Each carbon budget outlines the emissions not to be exceeded for each period, in order to ensure that Manchester meets its overall emission reduction commitments to 2038. These budgets are front loaded with more than 50% of the total reductions required in the short term; this highlights the scale of the challenge ahead. The reductions required for the remaining years to 2038 gradually decrease.</p> <p>Since committing to the new target, the Manchester Climate Change Agency (MCCA) and Board has been working with a range of organisations across the city to develop action plans from 2020-2022.</p> <p>For further information on citywide climate change activity please see the Annual Report http://www.manchesterclimate.com/progress</p>	Green

				<p>transport. The Summit included a “plastic free” Greater Manchester pledge by the events and tourism industry to remove single use plastics by 2020. GMCA, The Tyndall Centre, and consultancy Anthesis Group unveiled a new UK city-focused low carbon pathway model, dubbed SCATTER or Setting City Area Targets and Trajectories for Emissions Reduction</p> <p>The Manchester Climate Change Board convened its second meeting on 17th April. This was to more closely align and to inform the requirements of the Climate Change Agency’s work programme with the Board’s commitments going forward.</p> <p>The city’s third Climate Change Conference will be held at the Royal Exchange Theatre on 17th July.</p> <p>Manchester was successful in submitting a stage 1 bid to URBACT for</p>		
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					the city to be a Transfer Network, following on from the "Good Practice" award for the sustainability achievements of the city's arts and culture organisations. Phase 1 will run until 4th October with an additional 24 months until 2020 on successful completion of the Phase 2 application.			
CITYWIDE CLIMATE CHANGE ACTION: PROJECTS AND PROGRAMMES								
10. Reduce citywide carbon emissions by 41% by 2020.	<ul style="list-style-type: none"> Support MACF in the delivery of city wide climate change objectives and projects where appropriate. 	MACF	2020	N/A	See update under 9	Green	<p>The MCCA Annual Report for 2018 show that emissions across the city fell from 2.07MtCO₂ in 2017 to 1.97 MtCO₂ in 2018; a 5% reduction. As such in 2018 the city achieved a 40% reduction against the 41% target and is now projected to achieve the 41% reduction in carbon emissions by 2020.</p> <p>For further information on citywide activity please see update no. 9 above.</p>	Green

<p>11. Reduce citywide emissions from domestic buildings</p>	<ul style="list-style-type: none"> ● Work with the GM Low Carbon Hub to support residents to reduce domestic CO₂ emissions. 	<p>MACF Buildings Group</p>	<p>2016-20</p>	<p>N/A</p>	<p>The 'Basics' Working Group of the Family Poverty Strategy have been discussing a place-based fuel poverty pilot. There are also discussions taking place between partners about the possibility of undertaking a Horizon 2020 fuel poverty project across the city.</p> <p>The LEAP Project continues to deliver energy efficiency measures to Manchester residents.</p> <p>The Disabled Facilities (DFG) has been used to fund emergency heating grants since October 2017. To date, 35 Emergency Heating Grant cases have been approved with a total spend of £96,359</p> <p>In addition 34 Home Improvement grants, for works such as roof repairs, windows, doors, damp works and rewires, have been approved and paid from DFG to low income householders with health conditions.</p>	<p>Green</p> <ul style="list-style-type: none"> ● MCC has worked with GMCA, to implement a Warm Homes Fund scheme across Greater Manchester. The scheme helps people in or at risk of falling into fuel poverty and is targeted at households that do not currently have a central heating system. ● The Local Energy Advice Partnership (LEAP) scheme offers an outreach service to low income and vulnerable households of all tenures. It provides home energy advice visits, income maximisation advice, some simple energy efficiency measures (e.g. draught excluders, LED light bulbs) plus onwards referral for larger energy efficiency measures via Energy Company Obligation (ECO). ● The Emergency Central Heating Offer (ECHO) scheme provides ECO-eligible homeowners whose gas boiler has broken down with a fully-funded emergency repair or replacement. <p>Work to improve the energy efficiency of social housing via Northwards Housing ALMO includes:</p> <ul style="list-style-type: none"> ● Loft Insulation – 802 properties topped up from less than 200mm to 300mm ● Cavity Wall Insulation – 1 ● External Wall Insulation - 12 ● Boiler Replacement – 297 ● Low energy lighting to communal areas – 21 blocks <p>MCC has provided Home Improvement Assistance in the form of loans and grants to private homeowners, in order to fund energy saving measures and to support homeowners in fuel poverty. Since April 2017, the following assistance has been provided:</p> <ul style="list-style-type: none"> ● Home Energy Efficiency Loans - 67 ● Emergency Heating Grants - 116 	<p>Amber</p>
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<p>12. Reduce citywide emissions from energy: Energy Company</p>	<ul style="list-style-type: none"> Support the Greater Manchester Combined Authority to identify new mechanisms, including options for Manchester and Greater Manchester-level solutions; agree the preferred option(s); continue to share information with Core Cities, including on the establishment of Energy Service Companies. 	<p>Head of Policy, Partnerships and Research</p>	<p>2015/16</p>	<p>Subject to outcome of work with GMCA</p>	<p>Options for a GM Energy company will be reviewed by the Greater Manchester Combined Authority during the next quarter.</p>	<p>Amber</p>	<ul style="list-style-type: none"> At the Greater Manchester Green Summit 2019 it was accepted that GM needs a 'whole system' transformation to meet the 2019- 2024 targets in new green energy generation, storage, efficiency and combined transport infrastructure with smart IT energy systems. Key recommendation proposed to GM by Energy Systems Catapult include <ul style="list-style-type: none"> The expansion of local area energy planning and for GM to be an Energy Transition Region Investment to support a GM Energy Innovation Company. Establish an Energy Innovation Company <p>In 2019 GM published its 5 year Environment Plan. The plan includes several actions relating to the city region's energy supply and priorities have been identified as:</p> <ul style="list-style-type: none"> Increasing local renewable electricity generation Decarbonising how we heat our buildings Increasing the diversity and flexibility of our electricity supply. <p>For further detail on the actions that will be implemented please see https://www.greatermanchester-ca.gov.uk/what-we-do/environment/</p>	
<p>13. Reduce citywide emissions from energy: Identify and develop additional heat network clusters in Manchester</p>	<p><u>2016/17</u></p> <ul style="list-style-type: none"> Complete master planning for heat network opportunities at Piccadilly Station (Network Rail). Commence delivery of regional level project development with Salford and Trafford. Commercial support (GM Low Carbon Project Development Unit) provided to St Johns scheme being developed by Allied London. <p><u>2017/18 onwards</u></p> <ul style="list-style-type: none"> Development of detailed business cases for above projects, moving into delivery. Identification and investigation of further cluster opportunities. 	<p>Strategic Director, Strategic Development</p>	<p>2016-20</p>	<p>To be determined subject to outcome of feasibility studies and funding applications</p>	<p>St Johns: Recently DBEIS have confirmed that they are happy to extend the draw-down of the loan from May 2018 to May 2019 – however in order to do this they will need some sort of commitment from MCC that they intend to progress (on-lend to the project). This confirmation is yet to be formally provided.</p> <p>Corridor: The OPEN DPD study kicked off in October 2017 and was due for completion in May/June 2018. The stakeholder engagement process has been</p>	<p>Amber</p>	<p>MCC had an agreement with Aecom to deliver a Detailed Programme Development and Business Plan Study. However, this contract was amicably terminated in April 2019 due to various issues around the delivery of the work and a challenge on the scope of work. This work will be recommissioned in May 2019 by the GMCA. Work was re-scoped to include a greater emphasis on stakeholder engagement and is now scheduled to be completed in late 2019.</p>	<p>Amber</p>

					<p>challenging, and so the study end date is likely to need to be pushed back to circa October 2018. The MCC/Aecom contract may need to be amended to reflect this.</p> <p>Northern Gateway: No further update this quarter.</p>			
14. Deliver the Triangulum smart cities project	<ul style="list-style-type: none"> ● 2015/16: Commence delivery of the Triangulum Smart Cities project; ● Produce overall project plan and detailed technical feasibility studies for energy and mobility. ● 2016/18: Commence installations: <ul style="list-style-type: none"> – Energy optimisations at Manchester Art Gallery and Ellen Wilkinson (UoM) – Installation of renewable technologies at Birley Fields campus.(MMU) – Installation of PV panels on Ellen Wilkinson (UoM) and Birley Fields (MMU) – Development of a central energy control system with MMU, UoM , MCC. – Replacement of Diesel estate fleet with EVs at MMU and UoM. – Trial use of electric assist cargo bikes as part of estate vehicle fleet at MMU and UoM. 	Head of Policy, Partnerships and Research	2015-20	<p>Targets include:</p> <ul style="list-style-type: none"> ● Art Gallery: 15% reduction in CO₂ emissions. ● Ellen Wilkinson: 15% reduction in CO₂ emissions. ● Birley Fields: Generation of 1500 megawatt hours of renewable energy. ● Generation of 65,000 KWh / annum of electricity from PV's. 	<ul style="list-style-type: none"> ● Energy Optimisation scheme at Manchester Art Gallery complete. ● Solar PV panels at MMU Brooks Building have generated 132,640 kwh and estimated carbon savings 37 tCO₂e between Feb 2018 - Jan 2019. ● Central Energy Control system continues to operate at MCC. ● Electrical Energy Storage installed at MMU Birley Campus - see update. ● UoM Electric Vehicles have travelled 15,273 km and saved an estimated 1.8 tonnes CO₂e between Feb 2018 - Jan 2019. ● MMU Electric Vehicles have travelled 45,448 	Green	<ul style="list-style-type: none"> ● Manchester Art Gallery - Snagging issues arose with energy optimisation. Siemens have carried out extensive work to ensure system is performing to maximum efficiency. ● MMU Solar panels continue to operate. ● The Energy Storage Solution (EES) (i.e. battery) installation at MMU has been delayed in activation due to a change in requirements for grid connection during the period of its implementation. New regulations were introduced mid project in early 2019. ● UoMs and MMU's EVs continue to be fully operational. ● MCC has been supported to purchase four EVs (3 vans and 1 car) in March 2019. These are now with facilities management and the environmental protection teams. Data is being collated from the vehicles. ● The eCargo bike "try before you buy" scheme is continuing. 	Amber

					<p>km and saved an estimated 5.4 tonnes CO2e between Feb 2018 - Jan 2019.</p> <ul style="list-style-type: none"> • Triangulum Electric – assist cargo bikes been hired for the equivalent of between Feb 2018 - Jan 2019. 			
15. Work with Transport for Greater Manchester to deliver a range of citywide transport improvements	<p>A large number of projects are in development and delivery, with further information available from www.tfgm.com.</p> <p>Priority projects include:</p> <ul style="list-style-type: none"> • Delivery of new Metrolink extensions; • New delivery models for bus services linked to the Bus Services Bill; and • Smarter choices activity aimed at delivering behaviour change. 	Head of Policy, Partnerships and Research	Ongoing	To be quantified where possible	<p>The Bus Services Act came into force in April 2017 and will potentially enable the introduction of bus reform and the deregulation of buses. The Mayor's Office is taking this project forward.</p> <p>In November 2017, Mobike relaunched their dockless cycle hire scheme to improve the availability of Mobikes within the City Centre, including at the Mobike Preferred Locations (MPLs).</p>	Green	<p>Work commenced in 2016 on a 5.5km Trafford Park extension to the Metrolink network. This extension will include an additional six stops and is due to be completed in 2020. A business case is currently being developed for further extension at the Airport known as the 'Western Loop'.</p> <p>TfGM operate the GM Electric Vehicle (GMEV) network of public charging points for electric vehicles within GM. The current GMEV network includes 318 charging points and has a membership of 2,526 (March 2019). TfGM are due to award the contract in July for a GMEV Electric Vehicle Charging Infrastructure Supplier and there is a commitment to install 48 additional rapid chargers as part of the expanding network in 2019.</p> <p>TfGM are developing proposals to tender for a Greater Manchester wide car club contract which would reduce the need for car ownership for residents. This contract is due to be awarded in 2020.</p> <p>The Bus Services Act came into force in April 2017 and will potentially enable the introduction of bus reform and the deregulation of buses. The Greater Manchester Mayor's Office is taking this project forward.</p> <p>In September 2018 Mobike permanently suspended their dockless cycle hire scheme. Since this time TfGM have been considering different options to provide a new bike hire scheme within the city. It is anticipated that this scheme will be in place by spring 2020.</p> <p>The 'Made to Move' document was published by the Greater Manchester's Cycling and Walking Commissioner at the end of 2017 which sets out the steps that are needed to develop a culture of cycling and walking. Following this a 'Bee Network' map was published for consultation in the summer of 2018 and is due to be republished in the summer of 2019 after TfGM have considered all the comments received. The map will evolve over time but aims to lead to the development of schemes that remove barriers to, and makes it easier for, walking and cycling. Funding for these schemes is currently available through the Mayor's Challenge Fund.</p>	
16. Work with partners to increase access in the city to	<ul style="list-style-type: none"> • The work of the Food Board is to be transitioned to an independent body 	Julie Jerram, Programme Lead, Population	New Provider to start in June	N/A	The Food Board did not meet in Q4. It will reconvene in 2018/19 when new	Green	<p>In 2018/19 activity has been carried out to progress the transitioning of the work of the Food Board to an independent body. As such a mapping, consultation and review exercise has been carried out. This will be followed by the production of a report which will outline strategic recommendations to the Board. A new Board has been identified</p>	Green

sustainable food.	during 2019/20. In preparation for this, Manchester Health and Care Commissioning are commissioning a Food Board Manager to take over the work of the food board and to carry out consultation, mapping and review.	Health and Wellbeing Team.	2018 for 12 months		provider is appointed. A full review of the work of the food board and delivery of the food programme will be carried out in 2018/19.		and is awaiting approval to progress with convening its first meeting and establishing the necessary governance structure.	
17. Sustainable events	<ul style="list-style-type: none"> ● <u>2016/17</u>: Continue to build on work to date to understand and improve the environmental performance of MCC events, establish a plan for embedding sustainability throughout the Council's events activities; refresh the Green Events Guide ● <u>2017/18</u>: Implement the sustainable events plan 	Head of Events	Ongoing	To be quantified where possible	No significant development in the last quarter but advancement to be made in Q1 of 18/19	Amber	<p>Refresh of Green Events Guides completed draft stage to include a suite of seven guides covering Major Outdoor Events, Small Outdoor Events, Community Events, Indoor Venues, Production Suppliers, Food & Drink Traders, Waste & Cleansing Suppliers. The design of the guides and integration to the MCC website will begin in Q1 2019/20 followed by dissemination to stakeholders</p> <p>The Manchester Arts Sustainability Team network were engaged in this process and their input incorporated into the guides.</p> <p>Outdoor Major Events Production Framework procurement carried out (estimated value £210k per annum) and including social value analysis aligned with the requirements of the Sustainable Events Guides content. Ongoing work to be undertaken with suppliers to achieve best social value from the Framework</p> <p>Key element of Sustainable Events Plan continued: development of Manchester Day sustainability principles. Engagement with key suppliers including event producer on this annual event to increase participant and audience engagement on environmental impact. External assessment of event taking place in summer 2019 will be carried out. Key learnings to be disseminated to events by the end of 2019/20.</p>	Green
18. Green and Blue Infrastructure	<ul style="list-style-type: none"> ● Continue to Work with a range a partners across the city to coordinate and deliver the Manchester Green and Blue Infrastructure Strategy and a range of Green and Blue projects. 	Head of Policy, Partnerships and Research	Ongoing	To be quantified where possible	<p>Support the development and update G&B Implementation Plan - progress highlights include:</p> <ul style="list-style-type: none"> ● Annual GI update to Manchester City Council's Neighbourhoods and Environment Scrutiny provided in January 2018. ● Ongoing development of 	Green	<p>Support the development and update G&B Implementation Plan - progress highlights include:</p> <ul style="list-style-type: none"> ● In 2018 the Manchester GI Strategy won a national award from the Chartered Institute of Ecology and Environmental Management (CIEEM). The Strategy was recognised as a national exemplar, winning the Knowledge Exchange category. ● £5million was secured by GMCA to develop a pipeline of investable GI Projects over three years. Manchester is one of the pilot cities involved. ● The Wildlife Trust, supported by the Council successfully bid for funding from the Esmee Fairburn foundation. The project will deliver, a four year programme of citywide community engagement and biodiversity activity. ● New Principles of Tree Management for the City were adopted in January 2019. <p>Development of Community environmental projects including:</p> <ul style="list-style-type: none"> ● 'Protecting Playgrounds' a research project looking at air quality around schools was approved. ● An outline Masterplan and community engagement programme was delivered as part of the Grow Green project in West Gorton looking at Nature based solutions to combat Climate Change 	Green

					<p>Natural Course project - Ecosystem Services along the Medlock Valley tendered.</p> <ul style="list-style-type: none"> • Supporting bid for Biodiversity Strategy refresh submitted. • Delivery of Manchester GBI Group meeting <p>Development of Community environmental projects including:</p> <ul style="list-style-type: none"> • Hulme Ecosystem Services work - 4933 trees planted in Season 2017/18 <p>Support the development of GBI research as per Implementation plan including:</p> <ul style="list-style-type: none"> • Launch of My Back Yard Project • Ongoing delivery of GHIA project • Facilitation of visit to Manchester from Natural England Policy team. 	<ul style="list-style-type: none"> • 2994 trees were planted including 3 orchards and 582 hedge trees in the 2018/19 planting season. • Manchester won 154 Awards at the 2018 NW in Bloom Awards <p>Support the development of GBI research as per Implementation Plan including:</p> <ul style="list-style-type: none"> • Completion of Nature of Manchester GI Appraisal • Completion of Nature of Hulme Ward Level Action Plan • Ongoing delivery of GHIA project which is looking at the effect of GI on an ageing population <p>For further information please see the G&BI Action Plan Review 2018 https://democracy.manchester.gov.uk/ieListDocuments.aspx?CId=148&MId=267&Ver=4</p>		
19. Participate in the Core Cities Adaptation Group to help adapt the city to climate	<ul style="list-style-type: none"> • Work with Core Cities where relevant to review MCC Business Plans in term of preparedness for climate change. 	Head of Policy, Partnerships and Research	Ongoing	N/A – enabling action	Work is ongoing, supporting the Core Cities adaptation sub group, sitting on DEFRA’s Local Adaptation	Green	Activity of the Core Cities Adaptation Group has reduced dramatically largely due to limited resources available. MCC continues to deliver projects with adaptation benefits through the Manchester Green and Blue Infrastructure Strategy. For further information please see https://democracy.manchester.gov.uk/ieListDocuments.aspx?CId=148&MId=267&Ver=4	Amber

change, including identification and delivery of actions for MCC					Advisory Panel and will be influencing the local government element of the next national adaptation plan, due out summer 18.			
20. Embedding carbon reduction objectives in policy-making	<ul style="list-style-type: none"> ● Manchester Strategy 2015-25: work with the Our Manchester Forum to implement the Manchester Strategy 2015-25, including defining how the city will transition to a low carbon economy, and establishing the required performance management framework to monitor progress against the strategy's priorities ● Manchester Local Plan: establish the preferred approach for the review and update of Manchester's Local Plan, including links to the work of the GMCA on the GM Spatial Framework 	Head of Policy, Partnerships and Research	2015/16	N/A – enabling action	No further update this quarter	Green	<p>Greater Manchester has published its draft Local Industrial Strategy which is jointly owned with HM Government. The strategy highlights GMs ambition to “achieve carbon neutral living by 2038 by launching the UKs first city-region Clean Growth Mission.” It is recognised that there is significant opportunity to deliver substantial carbon reductions, environmental and health benefits to residents, whilst also creating new green industries and jobs capitalising on Greater Manchester’s research assets and large low carbon goods and services sector.</p> <p>https://www.greatermanchester-ca.gov.uk/what-we-do/economy/greater-manchester-independent-prosperity-review/</p> <p>The review of the Manchester Local Plan will address key challenges of the city including:</p> <ul style="list-style-type: none"> ● Climate change and the 2038 zero carbon commitment ● Delivery of homes and employment ● Provision of critical infrastructure to support growth. <p>Timescales for the completion of the plan are</p> <ul style="list-style-type: none"> ● Various stages of consultation between autumn 2019 and summer 2021 ● Submission of the plan to the Secretary of State by Winter 2021 ● Adoption of the plan by 2023 	Green