 Date:    6th JULY 2018
Subject: PERFORMANCE UPDATE – Q4 & Q1 (Jan-June)
Report of: Carolyn Wilkins, Lead CEX Green City Region

PURPOSE OF REPORT

The report provides the usual update on progress of the Low Carbon Hub for the fourth Quarter 2017/8 and first Quarter 2018/19.

RECOMMENDATIONS:

The Board are recommended to:

- Note the updates from across the Low Carbon Hub’s accountable bodies, attached at Annex 1 to this report;
- Comment upon progress and agree the next steps.

CONTACT OFFICERS:

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1.0 OVERVIEW OF PROGRESS

The update attached at Annex 1 to this report details areas of progress across the themes of the GM Climate Change Low Emission Implementation Plan over the last two quarters (December to June). The updates detail a number of successes; key successes include:

- Successful Green Summit held on 21st March
- Natural Capital Group Annual conference held and Natural Capital Group Website launched at Green Summit
- 4 Expressions of interest have been received for the £21m ERDF SUD funds for energy innovation and low carbon transport
- Submission of an Urban Innovation Action bid focused on climate adaptation programme delivery.
- Lancashire Wildlife Trust have launched My Wild City in Greater Manchester
- Irwell Natural Capital Account and ESS Opportunity Mapping outputs have now been loaded up to MappingGM and a tender developed for its wider extension
- Greater Manchester Net Gain Task Group established and Roadmap drafted.
- Completed the extended data collection exercise on NEDO project homes
- GM were a successful partner as part of a recent BEIS Demand Side Response Domestic competition for innovative projects (TRADDAS) which builds upon the NEDO approach.
- Successful bid for EU Horizon 2020 for a fuel poverty project called STEP-IN
- 1,340 Energy Advice free home visits, average bill savings of £171 pa per household through the GM Local Energy Advice Programme
- TfGM has been successful in a £3m bid for the retrofitting of Selective Catalytic Reduction (SCR) technology onto buses.
- Chris Boardman’s ‘Made to Move’ report published outlining 15 steps to increase active travel in GM.
- Launched Plastic Free GM Campaign

3.0 KEY ANTICIPATED ACTION IN THE NEXT QUARTER

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

- Undertake an exploratory workshop with potential funders and collaborators to define what a GM Environment Fund may operate.
- Undertake online expert workstreams in the run up to the next Mayor’s Green Summit and continue work to undertake a low carbon pathway analysis
- Continue to provide environment and low carbon policy support to GMSF
- Complete options analysis for GM Energy Innovation Company
- Complete first draft of GM Smart Energy Plan
- Let a contract to deliver the natural Capital Investment Plan
- Development of a GM Energy Innovation Zone (Transition Zone) and Local Energy Market proposal with external partners for Industrial Strategy Challenge Fund 3 as a potential grant funding route
- Potential bid for ELENA funding to fund support for capital delivery of low carbon programmes across the public estate.
• Complete contracting of the Warm Homes Fund programme and commence delivery.
• Clean Air Plan - progressing with the development of the 17 short-listed measures, with particular emphasis on defining the initial set of assumptions that will underpin any assessment process.
• Launch the GM plastic straw replacement across GM
• Complete the RESIN Climate Adaptation Project

4.0 IDENTIFIED RISKS AND EMERGING ISSUES

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

• There is still no clear way forward nor momentum on supporting commercial building retrofit for energy efficiency.
• Concern has been raised that if a full low carbon transition is to be accelerated, there will be a skills development need in construction and energy sectors.
• There is a lack of natural environment indicators at the GM scale to monitor the impact of GMS actions.
• The future availability of EU project funding remains a concern following BREXIT.

5.0 RECOMMENDATION

The Board are recommended to:

• Note the updates from across the Low Carbon Hub’s accountable bodies, attached at Annex 1 to this report;
• Comment upon progress and agree the next steps.
ITEM 05a – ANNEX 01

LCH Progress Report – Q4 (2017/18) and Q1 (2018/19)

1. GENERAL

a) LCH COMMUNICATIONS

i) Green Summit

The Mayor’s Green Summit took place on 21st March 2018 and was deemed a success. The objective of the Green Summit was to set out a new environmental vision for the region to become one of Europe’s leading green cities. The summit set out to consider how Greater Manchester can accelerate its activities to reduce carbon emissions to tackle climate change and in doing so, to position the city region as a global leader for smart energy innovation. There was an overwhelming interest to attend the Green Summit, with over 1000 individuals applying to attend with a limited venue capacity. Over 700 people attended on the day, including speakers, facilitators and stall holders.

The Green Summit was framed as GMCA facilitating wider discussion and collaboration, rather than ‘owning’ the summit and being responsible for everything that results from it. The summit was also an opportunity to announce a ‘call to action’ to realise changes required to make the region fit for the future.

Many announcements were made on the day, however the announcement which achieved most headlines was the #PlasticFreeGM campaign – a theme which has caught the public’s imagination (helped largely by the BBC’s Blue Planet) and accumulated over 60 plastic pledges.

Work has commenced on the post summit Springboard Report, summarising action required over the next 10 months and devising the next chapter of the ‘carbon revolution’.

Meetings continue to take place with the Green Summit Steering Group ensuring a second Green Summit is held in 2019 which will draw on commitments and work taken place during 2018 and provide the Mayor with the confidence and mandate to announce a future date for GM to become carbon neutral. The search is on for a suitable venue with a capacity of 800+ attendees.

ii) Annual Report

Work has commenced on the GMCA Environmental Annual report for 2017-18. This will draw together a cross-section of thematic successes and progress over the previous 12 months.
iii) **@GMLowcarbonhub twitter account analytics:**

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iv) **Platform articles published:**

March = 4 x articles published  
April = 6  
May = 3

iv) **GM Natural Capital Group Website**

A brand new website ‘Nature Greater Manchester’ was launched at the Green Summit designed to connect residents of Greater Manchester with their natural environment. Feedback received has been extremely positive and exploring opportunities to further publicise use of this resource with key stakeholders including GM Districts.

https://naturegreatermanchester.co.uk/

b) **FUNDING**

i) **ERDF (Sustainable Urban Development Call)**

A total of 7 submissions to ERDF SUD call were received of which the first progressed to full application in January and is currently in the final stages of approval. The remaining 4 were approved at EOI stage to proceed to full application, with submissions due early June. We are currently anticipating 3 of the 4 to make full submissions, with one recently withdrawing their interest.

The submissions received include: Domestic retrofit and smart energy (currently in final stages of approval), energy efficiency and smart energy in public and commercial buildings and a buildings research facility. Transport unfortunately did not feature in any of the submissions received under this call.

ii) **GM Environment Fund**

The possibility of a GM Environment fund was, following preliminary investigative work by EA/GMCA, raised at the Green Summit. The commitment to develop proposals around a potential fund (for wider discussion) was made as a key outcome of the summit. The EA, in partnership with GMCA is convening a group of stakeholders who may be primary contributors to the fund for late June/early July. A draft proposed setup will be developed and, depending on outcome of that meeting, further development will be...
carried out over the summer. Wider discussion will be needed, but the intention, if funding partners are in agreement, would be to launch a fund at the next Green Summit.

iii) Horizon 2020:

- The SCUBA bid (the Nature Based Solutions themed H2020 bid) was submitted in 2017 but was unsuccessful. The Consortium approached GM/Oldham and we indicated we would be happy to be a party to a re-cast submission under the title NBS4SURE (with Oldham was the official partner - on behalf of AGMA). Unfortunately, this has again been unsuccessful and we will have to consider if there are other routes to progress the concept of a ‘living lab’ focused on the Moston Brook area of Oldham to support sustainable regeneration and community/environmental outcomes.

- GMCA was approached, in late 2017, to partner with a consortium bid to develop circular approaches to sustainable development. This would see GMCA (or a lead district) partner with the U-RINGS project which looks to stimulate and build on existing activity at nodes on sustainable movement/natural corridors. Currently propositions are that at a number of points along the ship canal from Salford into Trafford, activity around waste and resource efficiency, environmental compliance and wider sustainable/natural environmental processes could trial and test future ways of accelerating and joining up activity and outcomes to maximise resilience and sustainable development delivery. We are currently waiting to hear whether the project will be invited to submit a detailed phase 2 bid, at which point discussions with District partners will commence.

iv) Urban Innovation Action (ERDF)

Building on the original work / discussions to submit a UiA bid with Salford University (focused on heat and green infrastructure) a wider consortium was brought together to develop this concept further. A bid which would see GMCA set up a Climate adaptation project delivery unit which would identify, develop and bundle GI retrofit projects and prepare for financing was developed and submitted. This also included setting up of a Climate Adaptation delivery company (based on the ESCO model) and a living lab at Salford Uni who would be providing GI performance and ratification of interventions (to underpin evidence of payback for investment streams). This was submitted in March 2018 by a multi-partner consortium of GMCA, MCC, SCC, United Utilities, Environment Agency, UoS, UoM, CoT, Business in the community, RHS and Groundwork. A process of project preparation is underway with a final decision expected in Sept 18, with up to 4 months of contracting and a start of Jan 19 if successful. The bid has passed Stage 1 approval.

c) STRATEGY

i) Greater Manchester Spatial Framework (GMSF)
The Mayor announced a radical re-write with a particular emphasis on the role of town centres, brownfield land and wider public engagement. Leaders have agreed that the next consultation will be published in July followed by a 12 week public consultation. Further evidence / research is being undertaken to support the next iteration of the plan including the review of the objectively assessed housing need and current land supply. As part of the ongoing work, the GM Environment team are also providing support on various issues and evidence including flood risk (as well as SUDS), carbon (including building standards, mitigation, and adaptation), renewable energy/district heating and the natural environment. On the latter, work is currently focussed on having natural environment targets and looking at where the Urban Pioneer can help embed the principle of a biodiversity net gain approach across Greater Manchester including the mechanism for implementation (including offsetting). Natural England are also undertaking analysis on Accessible Natural Greenspace Standards (ANGSt) to support the GMSF evidence base. A working group has also been established with the Planning and Housing team to develop the environment chapter of the plan which is informed through the above work.

ii) Definition of Net Zero Carbon – UKGBC

As part of the key announcements from the Summit there was a conclusion that Greater Manchester needs to move to considering the whole life cost of our domestic and commercial buildings, including their construction and running costs, rather than just focusing on their construction costs. It has been estimated that 50% of the energy used in our commercial and public buildings could be saved simply through better energy management. In the context of the Greater Manchester Spatial Framework there was a commitment to include a date by which all new homes built across GM will need to be net zero carbon (however recognising that further work would needs to be done to agree this date).

The optimum date being considered at the moment is 2028 (based on political ambition and being ahead of current World Green Building Council/UK GBC recommendations for a general policy approach). The GMCA are working closely with the UK Green Building Council to understand what further work needs to be undertaken to inform this position. In particular:

- What a ‘stepped’ policy approach may look like up to 2028 where all buildings will be ‘net zero’ carbon.
- Viability requirements
- Definition and implementation of a ‘net zero carbon’ approach including the use of offsetting/post monitoring

This work is expected to continue beyond the next consultation but the ‘low carbon’ policy will outline the overall approach.

iii) SCATTER
The Setting City and Area Targets and Trajectories for Emission Reduction to 2050 (SCATTER 2050) project is nearing completion. The overarching project goal was for Greater Manchester (on behalf of Core Cities) to produce and deliver an evidence-based climate change target for 2050, with agreed trajectory and milestones, using a global first mover implementation of newly developed international tools and standards. This work was completed in time for the Greater Summit in March. The SCATTER project is now in the process of rolling out the model developed in GM to other Core Cities.

iv) GM Energy Company

Consultants have been appointed to undertake a critical appraisal and options analysis, led by Oldham MBC, of the previous feasibility work carried out by GMCA on the potential to create a Greater Manchester Energy Innovation Company. The work will provide a range of options for GMCA to consider on the scope, scale and form of a potential municipal energy company for Greater Manchester.

An NDA has been signed with Electricity Northwest and informal discussions have been held with two existing energy companies to learn from their experience. Discussions are continuing with BEIS about the set up of a NW LEP Energy Hub. Led by Liverpool City Region and Chaired by GM. The hub will employ 3 or 4 people and support NW LEPS to bring forward energy efficiency and energy generation projects.

v) Smart Energy Plan

The GM Smart Energy plan which was committed to at the recent Green Summit is currently being drafted, with a first draft due in late June. This will be the first ever Smart Energy plan for GM, which will set out or vision, approach and priority focus areas, with a 5yr roadmap and evolving project pipeline appendix. Approvals will be sought during with the aim and objective of publishing the plan in Autumn 18.

vi) Natural Capital Investment Plan

The Greater Manchester Natural Capital Investment Plan will cover the whole of Greater Manchester and help the Natural Course partners and wider stakeholders to understand the opportunities to mobilise additional investment to improve Greater Manchester’s natural capital assets including river valleys and urban green spaces. This will build upon the recently completed Ecosystem Services Opportunity Mapping assessment and Natural Capital Account which focussed on the Heavily Modified Water Bodies in the Irwell Management Catchment. Development brief prepared for the delivery of the Plan through Natural Course funding. RFQs invite sent out May 2018 and commission due to start in June following appointment of successful consultants.

2. NATURAL CAPITAL

a) Natural Capital
Natural Capital Group Conference ‘Connecting People with Nature’ held on with over 70 delegates attending and article published On the Platform. Participants discussed what a ‘Green City’ might look like and what is stopping Greater Manchester from achieving this status, as well as what needs to happen to overcome any barriers and help us deliver our ambitious goals. http://gmlch.ontheplatform.org.uk/article/greater-manchester-s-natural-capital-annual-conference-2018

The last meeting of the Natural Capital Group was held in May and included a discussion about how best to progress the outcomes from the Mayors green Summit. It was agreed that the existing workplan would focus on relevant workstreams which include:

- Production of a high level set of natural capital accounts for GM.
- Understand the contribution that peatland restoration is making towards achieving GMs carbon neutrality target.
- Develop a GM planning policy for biodiversity and environment net gain.
- Support the production of a natural capital investment plan for GM.
- Advise on a range of delivery mechanisms including setting up of a potential GM Environment Fund.
- Support the delivery of the GM Wetlands NIA.
- Deliver City of Trees and Pennine Edge Forest plans/activity.
- Support communities to better connect with their natural environment.

b) My Wild City

Lancashire Wildlife Trust launched their new campaign ‘My Wild City’in March aimed at increasing green spaces and enhancing wildlife across Manchester. A dedicated website has been launched at http://www.lancswt.org.uk/MyWildCity which includes further information and signposting to resources. A key action in the Natural Capital Group’s workplan for 2018/19 is to support communities to better connect with their natural environment - increasing % of people engaged with nature through My Wild City and Nature Greater Manchester websites.

c) DEFRA Urban Pioneer

Funding identified by the Environment Agency to run a short contract to the end of the financial year to compile the first true set of natural capital accounts for the City Region. Eftec have now produced a set of natural capital accounts for Greater Manchester using 8 broad habitat types and 9 ecosystem services.

Greater Manchester Net Gain Task Group established and Roadmap drafted. First meeting held in April and project PID drafted setting out governance arrangements, key milestones and outcomes. Priority next step is to secure funding and draft the Policy
Guidance which will set out the framework for delivery, working with all ten districts. Testing and piloting approach to be launched in May.

Webinars and workshops for internal Defra group engagement have taken place raising awareness of the Urban Pioneer across the group, targeted at policy leads and policy development. Identifying opportunities for join up and collaboration in addition to technical support.

We are continuing to work closely with all partners including the City of Trees, who sit on the Urban Pioneer Delivery group, to identify key strategic projects that the Pioneer could support. This includes the City Re-leaf project and the City Forest Park.

d) Natural Course: EU LIFE Integrated Project

i) Ecosystem Services assessment and mapping
The Irwell Natural Capital Account and ESS Opportunity Mapping outputs have now been loaded up to MappingGM and shared with key stakeholders. Article also uploaded to On the Platform. Additional consultancy support has been procured to help use the outputs to develop a natural capital approach for 4 pilot projects including Bradshaw Brook, Bolton, Northern Gateway, Manchester, Moors for the Future and the Croal/Irwell Partnership.

ii) Urban Diffuse Pollution

River Irk outfall survey has been completed. Survey results now need to be added to an Environment Agency data base and will be used as part of the development of a River Irk vision, led by the EA.

A University of Manchester study, released in March 2018, identified the River Tame in GM as a significant hotspot for micro plastic pollution. Currently working with United Utilities and the University of Manchester to look at commissioning further research as part of Natural Course Phase III.

iii) Catchment Ecology Project
On-going work led by the GM Ecology Unit to record the riparian environment to monitor change and inform decision making. The project uses professional and voluntary recorders to undertake wildlife surveys and monitoring.

iv) Catchment management plans

The Irwell catchment partnership has almost completed an evidence review “story map” which will enable partners to develop projects and interventions which will contribute to the delivery of EU Water Framework Directive and flood risk management objectives.
v) Review of water governance across GM
Researchers at the University of Manchester have produced a draft final report following a review of water governance across GM. The report covers water quality, flood risk and biodiversity functions and will feed into a wider review of GM infrastructure and NW Flood & Coastal Risk Management.

vi) Tackling physical modifications
Funding has been secured for the removal of a barrier(s) to fish movement at Bradshaw Brook in Bolton. The project will be delivered by Groundwork MSSTT in-line with a scope developed by the Environment Agency.

vii) Green Infrastructure schemes
Agreed locations for City of Trees Natural Course Phase II activity at Crompton Moor in the Beal valley, Oldham, and in association with the re-development of Stockport Transport Interchange.

viii) Natural Course project management
The project partners are developing a scope for Phase III planning. A plan for the next phase of Natural Course will be submitted in December 2018 ahead of the start of Phase III in March 2019. The EU Monitor visited the project during May 2018 and was shown a completed SuDS scheme at Moorlands Junior School, Sale.

3. ENERGY

a) Energy System Catapult (ESC) Smart Systems and Heat (SSH) Programme – Home Energy Service Gateway winter trial is nearing completion with outcomes and learning on the subject of heat as a services due in the forthcoming weeks. The installations within GM are being provided the option of either continuing or having the equipment decommissioned. No GM living labs have asked to be decommissioned to date.

b) Energy Innovation Zone - Exploratory discussions for the potential development of a GM Energy Innovation Zone are continuing at a steady pace, with external partners and the ESC alike. Industrial Strategy Challenge Fund 3 has been identified as a potential grant funding route to implementation with applications due on July 25th. Detail is currently being developed to support a submission after a recent Cexs meeting.

c) RSL/ALMO electrification of heat business models – Findings and initial learnings will be shared with the RSL community in the near future and will also be further developed as part of a Procure Plus ERDF consortia (The project is currently in the final stages of approval).

d) TRADDAS, Demand Side Response (DSR) – GM were a successful partner as part of a recent BEIS Demand Side Response Domestic competition for innovative
projects. The first phase feasibility will build on the NEDO programme learning, to open up DSR flexibility to support the energy network transition to low carbon renewable generation.

The findings from the feasibility phase will be reviewed by BEIS in September with successful parties receiving a further £1m to trial the feasibility studies developed in phase 1.

e) Partnerships – GMCA completed are recent Buildings and Energy workshop which provided feedback on the Green Summit, provided our aspirations and next steps for the next 12 months. Circa 40 businesses and partner organisations were in attendance.

f) Industrial Strategy Challenge Fund 3, Smart Systems – BEIS recently announced the ISCF 3 Smart Systems funding which provides successful applicants the ability to bid for £13m each for large scale whole energy system demonstrators and or up to £200k for whole systems designs (feasibility studies). GMCA are currently reviewing this funding call with the intention of submitting with industry partners to both elements. Examples of potential projects include a digital trading platform (aggregator of aggregators) demo and or an Innovation Zone design. There are a number of other project proposals under review. Deadline for submissions is July 25th 2018.

4. BUILDINGS

a) Non-Domestic Buildings

i) EIB ELENA 2 – Energy efficiency and Smart Systems Technical support:

The proposed 2nd application to EIB ELENA funding, building on the learning and work completed supporting the Heat Networks programme is still being reviewed.

The resource could unlock and support further capital delivery, operational savings and carbon reduction within the public estates of GM, with Initial formative discussions with One Public Estate (NHS and Health), GM Fire and Rescue Service, and local authorities indicates indicating a near term pipe line of £150-200m of cabinet level approved schemes.

ii) Non Domestic Buildings Baseline – GMCA are currently investigating the potential to update historic data held on our public estate, with a view of using this data to support and inform future energy efficiency and panned maintenance programmes.

b) Domestic Energy Efficiency

i) STEP-IN
• In 2017 GMCA submitted a bid for EU Horizon 2020 for a fuel poverty project (called STEP-IN), we were shortlisted and recently found out we were successful in this bid.
• 13 EU partners in total, GMCA is one of them. Uni of Manc are also a partner and we will work closely with them. They have recently been awarded the status of Energy Poverty Observatory for Europe.
• Through the STEP-IN project we will be working with existing GMCA fuel poverty projects e.g. LEAP, and adding to the existing projects e.g. through additional advice to residents and monitoring. Energy workshops will take place.
• As it is working with existing GM projects, the additional cost to do this work will be low. We will receive (£125,307) for this project of which approximately £65K will be for GMCA staff time/co-ordination on this project. The rest of the funds are for monitoring equipment and engaging with residents. The project is for 2.5 years but our time on this project is equivalent to 10 months only.
• Project will start in June 2018.

ii) Cost Benefit Analysis/Mini Lab:

We have been working with the GM Research Team on an update of the treasury approved CBA model to enable the model to better factor carbon reduction and energy efficiency. Stakeholder engagement events have taken place and a draft refreshed model has been circulated for stakeholders to review. This work is funded by BEIS. The University of Manchester are providing research support to this work for free as part of their Mini Lab project. A final refreshed/updated CBA model will be ready for circulation in June/July this year.

iii) LEAP:

The Local Energy Advice Programme, (funded by Utility Companies) was piloted successfully in Tameside in the Summer of 2017 and in October 2017 we rolled the LEAP scheme out across GM. Training sessions took place to promote the scheme to frontline staff across GM, these were well attended included by health staff. The scheme provides free energy efficiency advice via free home visits/home surveys to fuel poor GM residents, as well as access to free energy efficiency measures, income maximisation advice and help with switching energy tariffs. GM are frequently ranked as one of the top refers nationally for this scheme. The GM Environment Team have also been able to secure £50K from Electricity North West in to this scheme to increase the number of home visits for GM residents. To date since Oct 2017 there have been: 1,340 Energy Advice free home visits, average bill savings of £171 pa per household that goes through this scheme.

iv) GM Big Clean Switch:

The campaign was successfully launched on 19th October 2017. To date 250 GM residents have switched, including Andy Burnham, Rishi Shora and Walter Brett. High
profile organisations are also supporting the campaign (Bolton Wanderers, Salford Red Devil, BBC). Average savings are approx. £280 pa per switch. (The campaign is not like previous GM switch campaigns, it is not a collective switch, and is not aimed at fuel poor residents, however it may assist to alleviate/prevent fuel poverty in some instances).

Latest statistics:

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**v) Warm Homes Fund**

We have been successful in our application, on behalf of Districts, in a bid for £2m Cadent (formerly known as National Grid) Warm Home Funds to install central heating in urban ‘off gas’ IMD areas (25% worse Index of Multiple Deprivation IMD areas). These funds will assist fuel poor residents across GM authorities and will complement the previously agreed GM Local Energy Advice Programme (LEAP) and be delivered through the existing, OJEU procured, GM GD and ECO Framework. Paper agreed by WLT. An updated paper went to the CA.

The project has been delayed in its commencement for legal and contractual reasons. We believe the contract will be signed in the next few weeks to allow installs to take place.

**5) TRANSPORT**

**a) Infrastructure**

Construction on the Metrolink Trafford Park Line and the associated 6 Metrolink stations is progressing. Metrolink patronage now over 41m per annum with more double carriage trams being rolled out across GM to accommodate the increasing numbers.

**b) Buses**

TfGM has been successful in a £3m bid for the retrofitting of Selective Catalytic Reduction (SCR) technology onto buses. This will bring these buses up to Euro VI, the
highest current vehicle emission standard for diesels. This will reduce NOx emitted from each vehicle by approx. 94%.

TfGM is currently exploring options to bid for a share of the £48m funding available under the Ultra-Low Emission Bus Scheme (ULEBS). The objective of the bid is to reduce Greenhouse gases (alongside NOx and PM) by introducing more low or zero tailpipe emission vehicles.

c) ULEVs and Alternative Fuels

TfGM has been successful in its bid for £3.5m Early Measures funding, to be used in Greater Manchester to increase EV uptake through the development of 24 dual-headed rapid charging sites across the city-region alongside an associated communications campaign support aimed at residents and businesses, which will include practical support.

The current GMEV network now has over 2,000 registered users, with around 5,000 charging sessions per day.

d) Clean Air Plan

The project team are progressing with the development of the 17 short-listed measures, with particular emphasis on defining the initial set of assumptions that will underpin any assessment process. Each of the measures are at varying stages of development given their scale and complexity, but there will be a focused effort over the coming weeks to further progress their scope and ensure that they can be adequately assessed as part of the modelling exercise. Due to the scale of the work required, TfGM have brought in additional external resource to develop the measures and preferred package.

The Greater Manchester Saturn Model (GMSM) and Demand Sifting Tool have now been fully updated, with all supporting documentation relating to the models submitted to JAQU as part of the Initial Evidence submission on 1st June 2018. TfGM have received some initial questions from JAQU relating to the models which have now been responded to and we await further clarifications and comments. Work has commenced on the initial modelling of measures with the first set of outputs currently being considered by TfGM offices and presented at this meeting. Moving forward, the modelling of measures will continue to progress as assumptions are refined, with consideration also given to sensitivity testing which is likely to be requested by JAQU.

In addition, please note that, as of 4th June 2018, the Project Sponsor for the GM Clean Air Plan has changed from Helen Smith to Megan Black.

e) Behaviour Change

Chris Boardman’s ‘Made to Move’ report published outlining 15 steps to increase active travel in GM. The TfGM Business Travel Network now has over 670 businesses recruited, and have published over 325 Action plans. As of 26th June the cycle-counter
on Oxford Road has recorded around 500,000 cyclists since the start of 2018, with a daily average of 1,350. Other campaigns including the GM Walking Festival in May and the Ride With Us campaign in March have reached audiences across the city to encourage residents to travel actively.

f) Adaptation, culture and communication

Procurement of Air Quality alert service for new Greater Manchester air quality website in final stages. This service will allow members of the public to sign up and receive free air quality updates on their phone.

Clean Air Day was held on 21st June, with events taking place across the 10 districts. This included awareness raising events in Manchester city centre, as well as in district centres. At Exchange Square in Manchester city centre, members of the public had their lungs checked, tested different types of bike and were offered active travel advice by TfGM staff. A number of workshops were offered at schools to get them engaged with the message of Clean Air Day. Pledges collected detailing commitments to be made to improve air quality are in the process of being counted.

6) SUSTAINABLE CONSUMPTION AND PRODUCTION

a) Single Use Plastic Campaign

At the Green Summit, the Mayor launched the #PlasticfreeGMThe soft market testing exercise for replacement straws was completed yesterday. There have been 4 responses from the industry. An evaluation of the responses and comparative analysis is now being undertaken. There are 56 Tourism & Hospitality businesses signed up to the eradication of single use plastic pledge. Marketing Manchester continue to promote the pledge to their 350 T&H members. A wider communications plan has been drafted by GMWDA colleagues and is being considered by the GMCA Press Team. We have organized a workshop with the NUS for 18th June and invited relevant people from the 3 GM Universities plus larger colleges. The aim of the workshop is to stimulate the development of plastic free campus’ in each of the universities. The workshop looks set to be well attended. There is an emerging opportunity to join up with BitC on the Greater British Plastics Challenge. We are organising the first private sector led steering group for 18th June, to be Chaired by Corin Bell.

b) Good Food Greater Manchester

The recent Mayoral announcement at the Green Summit on 21 March 2018 endorsed the principle of the Good Food Greater Manchester Board to act as a strategic food board for the city region and promote quality food as an enabler for better health. This announcement has created an opportunity to enhance the leadership landscape around the food agenda in Greater Manchester and coincides with a piece of work, in development through the GM Health and Social Care Partnership Population Health
Programme on the topic of food and nutrition. A paper has been drafted for Leaders consideration.

7) CLIMATE ADAPTATION AND RESILIENCE

a) RESIN Project:

The RESIN project is progressing into its final calendar year (ends Oct 18). The work on GM critical infrastructure climate risk assessment is being finalised. A range of climate hazards have been assessed for their likelihood and consequence and also a consideration of the criticality of the infrastructure with a final risk score for a range of infrastructure types and hazards. Parallel to this has been a deep dive looking spatially at transport infrastructure and flood risk. This has examined both hazard and exposure, but also vulnerability (for instance due to highly used assets exposed) and also coping capacity (i.e. presence of defences). This has developed a composite risk map for flood and transport assets and has identified the Bolton Transport interchange for further work on developing adaptation measures (in this case to SW flood risk). The project intends to present its high level risk assessment and transport and FR work to relevant GM groups (LRG, FWMB, GMIAG, Planning and Housing, LCHB and/or NCG) and support a stronger resilience strand into next years green summit. In addition, the project has secured resource for a particular climate resilience/optioneering workshop for Bolton Town Centre to underpin it’s regeneration work.

b) Sustainable Urban Drainage (SUD):

Further to receipt of 50k funding from DEFRA and ongoing in kind support, the latest phase of the SUDS and schools retrofit project has progressed, with focus physical pilot demonstrators on 1 school and 1 NHS. The construction of a rain garden and permeable paving at Morlands Primary in Trafford has been delivered and ratification of a reduction in UU Surface water charge is underway. Discussions with NHS estate will see a second intervention by June 18 (project end). In addition, further work is being done on economic model, proposals for scaling and funding at a programme level (in GM) and how to role out wider than GM/UU’s charging area.

c) Core Cities/National Level adaptation leadership:

We have now seen and provided early thoughts on the NAP2 local Government chapter, but this is still to be released and the influence of our comments yet to be seen. The Core Cities Adaptation sub-group (chaired by GM) has helped facilitate a high level conversation between DEFRA and Core Cities on CC adaptation and wider Air Quality issues with the result that a working group will be set up to deliver close working and better outcomes. Through our role on the Local Adaptation Advisory Panel we continue to feed into Defra and NAP process both on what ‘good local government adaptation’ looks like but also wider knowledge transfer and leadership, including reporting and other influencing (for example inputting into the TCPA/RTPI’s planning for CC guidance which showcases draft GMSF CC policy as good practice).