

## 5-Yr Environment Plan Performance

5-Year Environment Plan Priorities						
Ref	Key Priorities (2024)	Status	Measure	% Towards target	Commentary	
E1	Increase local renewable energy (electricity) generation, adding at least a further 45MW by 2024.	↑	Green	Additional renewable capacity (MW)	Next update June 2019	Work is on-going with Electricity North West (ENWL) to assess how the future energy demand can be met from local renewable sources. Proposals are being developed for an investment vehicle to deliver renewable energy generation (GM Energy Company). GMCA and LAs are examining the potential to establish collective solar PV/battery purchase - ICHOOSR.
E2	Decarbonise how we heat buildings, adding at least a further 10TWh of low carbon heating by 2024.	↔	Green	Additional energy from low carbon heat sources (TWh) ONS measured in MW	2%	GMCA and LAs are seeking funding to roll out Local Area Energy planning across the city region and are consulting on proposals to identify 'Heat and Energy Network Opportunity Areas'. MMU is leading on the development of a Hydrogen Strategy.
E3	Increasing the diversity and flexibility of our electricity supply, adding at least a further 45MW of diverse and flexible load by 2024.	↔	Green	Additional flexible and diverse load available (MW)	TBC	ENWL continuing to work with stakeholders and national bodies to develop the technical and regulatory framework to transition to a 'Smart Grid'.
B1	Reduce the heat demand from existing homes with retrofit measures installed at 50,000 homes per year.	↔	Red	No of whole house retrofits carried out	TBC	GMCA and LAs to convene partners and develop a Greater Manchester retrofit partnership/accelerator.
B2	Reduce the heat demand from existing commercial and public buildings with a 10% reduction by 2025.	↔	Amber	Increase in energy certificate ratings D or above	TBC	GMCA and LAs to standardise measures of reporting on efficiency of buildings and aim to obtain a DEC rating of D or better by 2024 for their public buildings.
B3	Reduce the heat demand in new buildings.	↔	Green	TBD	TBC	In support of this plan, GMHPs have committed to building all new homes to zero carbon in advance of 2028 target as set out in GMSF.
SCP1	Producing goods and services more sustainably, moving to a circular economy. 38% reduction in industrial emission by 2025.	↔	Green	Reduction in CO2 consumption emissions	TBC	Currently supporting RE3 UoM Project on Re-thinking Resources and Recycling and MMU Circular Economy Club. An SCP plan is in currently in development to be launched in September 2019. Refill campaign launched in Tameside, Bolton, Manchester, Bury.
				Increase in Greater Manchester CA GVA (GVA (£ million))	TBC	
				No of re-usable pilots launched in Greater Manchester (3 per year)	7%	
SCP2	Becoming more responsible consumers - limiting any increase in waste to 20%.	↔	Green	Domestic waste production (kg/ht/yr)	Reported annually	GMCA is developing a Plastic Pact for the Public Sector and a roadmap to increase understanding of sustainable alternatives and reduce usage of avoidable single-use plastics.
				No of streams of avoidable single-use plastic taken out of public estate - TBD	TBC	
SCP3	Managing our waste as sustainably as possible to achieve a recycling rate, 55% by 2024, and 65% by 2035.	↔	Amber	Yr on Yr increase in recycling rates (%)	86%	For 2017/18: District recycling rate 49%, GMCA (inc HWRC) 47%, Wigan 48.5%. Awaiting verified figures for 2018/19. Qtr 1 - 3 show recycling rate of 48.6%. A Zero Waste Strategy will be developed in 2020 following the outcomes of current government consultations.
SCP4	Reduce unnecessary food waste.	↔	Amber	Yr on Yr reduction in residual waste (kg/hh/year)	Reported annually	Supporting Good Food Board in producing a roadmap by 2020 on future food strategy. Currently approx. over 30% of waste in domestic residual stream is food waste.
NE1	Managing our land sustainably, including planting 1m trees by 2024.	↔	Green	Amount of peatland restoration and management for carbon sequestration	TBC	City of Trees targeted to plant 3 million trees in GM over next 25 years and will continue to develop GM Tree and Woodland strategy. GMCA and LAs to embed natural capital approach into strategy and planning development and support peatland restoration approaches.
				No of trees planted	TBC	
				People living within Natural England ANGSt Standards	TBC	
NE2	Managing our water and its environment sustainably.	↔	Amber	Water bodies enhanced ( per km)	TBC	Continue to work with United Utilities (UU) and Environment Agency (EA) to implement planned improvements to improve river water quality and deliver the benefits of the Water Company Investment Programme across 4 GM catchment areas.
NE3	Achieving a net gain in biodiversity for new development.	↔	Amber	TBD	TBC	GMCA and LAs to support the delivery of biodiversity net gain through the GMSF.
NE4	Increasing investment into our natural environment.	↔	Amber	Amount of non-public investment	TBC	GMCA supporting the development of a GM Environment fund and implementation of Natural Capital Investment Plan. Through the IGNITION project GMCA and LAs will establish and deliver increased investment in nature-based adaption solutions including the design of an Investment Readiness Fund.
NE5	Increasing our engagement with our natural environment.	↔	Amber	Increase in number of people engaged	TBC	GMCA working with a number of partners including EA, GMHSCP, Lancashire Wildlife Trust, Royal Horticultural Society and City of Trees to increase engagement and explore opportunities for a more integrated natural capital stakeholder engagement programme.
CC1	Embedding climate change resilience and adaptation in all policies.	↔	Green	No of policies	TBC	GMCA to develop a Resilience Strategy and roadmap in 2019. GMCA and LAs to undertake a Strategic Flood Risk Assessment and implement a policy framework to manage the flood risk through GMSF.
CC2	Increase the resilience of and investment in our critical infrastructure.	↑	Green	No of planning permissions granted contrary to EA advice on flood risk	TBC	Through the GM Infrastructure Framework, there is a commitment that other infrastructure providers will support the resilience strategy.
				No of hh moved to lower probability flood risk	TBC	
CC3	Implement a prioritised programme of nature-based climate adaptation action.	↔	Green	Uplift in urban green infrastructure	TBC	The IGNITION project will establish a programme of innovative funding mechanisms to deliver increased investment in nature-based adaption solutions.
CC4	Improve monitoring and reporting.	↑	Amber	TBC	TBC	As part of the IGNITION project and Resilience Strategy GMCA and LAS will consider development of appropriate indicators to monitor and evaluate how prepared we are for future impacts of climate change. Whilst IGNITION will work on baseline and appropriate urban adaptation uplift targets (i.e. 10% increase in urban GI) this is in development and is only part of the indicators and involves only some of the issues/stakeholders in discussion. as a result no formal set process for developing or measuring the indicator set or timeframe exists beyond commitments to look at parts of this via relevant projects, Amber status is advised
T1	By 2040 increase the use of public transport and active travel modes to support a reduction in car use to no more than 50% of daily trips made by Greater Manchester residents with the remaining 50% made by public transport, walking and cycling.	↔	Green	Ratio of journeys made by car versus sustainable modes of transport	Figures expected Sept 2019.	Districts are working towards approval of business cases to transform cycling and walking infrastructure through the Mayor's Challenge fund for walking and cycling. £160m will be invested between 2018/19 and 2021/22 over two tranches. Ratio is 39/61% for the period 2014-16. Expecting a TRADS update in next few months.
				Increase in proportion of all trips made by cycling and walking (%)	28% of all trips (2017/18) up from 27% in 2015/16.	
T2	Phase out of fossil-fuelled private vehicles and replace them with zero emission (tailpipe) alternatives and implement a charging infrastructure to support expansion of 200,000 EV vehicles in our city-region by 2024.	↔	Green	No of plug-in vehicles registered licensed in GM (Source: DfT vehicle license)	2537 vehicles registered at end Mar 18. 5.4% increase from 2016/17.	GMCA, LA and TIGM to expand and promote city region's EV charging network with 48 new rapid charging points to be installed. No official way to track progress. Exploring potential to use ZAP MAP.
				Increase in No of rapid charge points installed (GMEV network)	TBC	
T3	Tackle the most polluting vehicles on the road.	↑	Green	TBC	TBC	TIGM secured £1.8m ULEV Taxi Fund grant award for potential delivery of 80 dual headed rapid chargers.
T4	Establish a zero emissions free bus fleet. 100% of all buses are zero emissions (tailpipe) by 2035.	↔	Green	No of new zero emissions buses entering the fleet	Currently 3 in the TIGM fleet. Awarded funds for 23 more.	TIGM successfully awarded a £3.5m ULEV Bus Fund grant from OLEV, to support electrification of 23 buses and inclusive of £1.89m for charging infrastructure to support.
				Proportion of total bus fleet that are zero emissions	TBC	
T5	Decarbonising freight transport and shifting freight to rail and water transport.	↔	Red	Delivery of freight roadmap	N/A	GMCA, LAs and TIGM to assess and develop a roadmap to reduce freight emissions and support modal shift, increased efficiency and alternative fuels fro HGVs.